



L. P. ROSEN & SON

FRUIT TREES
ROSE PLANTS

ORNAMENTAL TREES, ETC.

CATALOGUE
Season 1940



L. P. ROSEN & SON
Carlingford, N.S.W.

Established 1901

'Phone: Epping 96

STAMPED PARCELS PREPAID RATES (PASSENGER TRAIN)

On NORTHERN LINES, add 3 miles; on WESTERN & SOUTHERN LINES, deduct 9 miles; on SOUTH COAST LINES, add 16 miles from the Sydney mileages and you have the respective distances from Carlingford.

As these rates only apply when freights are PREPAID, please add the amount to remittance. If sent by parcel rate, and not prepaid, 25 per cent. is added (maximum 1/-) to the above rate at the receiving station. If freight is not enclosed, we will always send to pay. Unattended platforms have always to be prepaid. Insured risk rate 3d. for each £10 value up to £100 and 6d. for each £20 above £100 up to £300. Twelve Fruit Trees weigh from 14 to 28 lbs. packed; 50 trees, about 60 to 90 lbs. packed. C.O.D. goods can also be despatched cash on delivery at receiving station.

STAMPED PARCELS PREPAID RATES (PASSENGER TRAIN)

Not Exceeding.		Not Exceeding.																	Each additional 28lb. or part thereof.	
Miles		1lb.	2lb.	3lb.	4lb.	5lb.	6lb.	7lb.	8lb.	9lb.	10lb.	11lb.	14lb.	28lb.	42lb.	56lb.	84lb.	112lb.		
25	0 5 0	5 0	5 0	5 0	6 0	6 0	6 0	6 0	6 0	6 0	6 0	6 0	6 0	1 0	1 3	1 8	2 2	2 6	8	
50	0 6 0	6 0	6 0	6 0	6 0	6 0	6 0	6 0	6 0	6 0	6 0	6 0	6 0	1 3	1 9	2 4	3 1	4 0	1 1	
75	0 6 0	6 0	6 0	6 0	6 0	6 0	6 0	6 0	6 0	6 0	6 0	6 0	6 0	1 8	2 4	3 3	4 4	5 4	1 3	
100	0 6 0	7 0	8 0	8 0	1 0	1 0	1 2	1 2	1 3	1 3	1 3	1 3	1 3	2 2	2 11	3 8	5 4	6 7	1 8	
125	0 6 0	8 0	10	1 0	1 1	1 2	1 3	1 4	1 5	1 9	1 9	1 9	1 9	2 11	4 0	5 6	6 5	8 0	1 10	
150	0 6 0	9 1	0 1	0 1	0 1	1 3	1 4	1 6	1 9	2 3	2 3	2 3	2 3	3 3	4 7	5 9	7 2	9 2	2 3	
175	0 6 0	9 1	0 1	0 1	0 1	1 3	1 6	1 9	2 0	2 3	2 6	2 9	2 9	3 8	5 2	6 6	8 9	10 5	2 6	
200	0 6 0	9 1	0 1	0 1	0 1	1 3	1 6	1 9	2 0	2 3	2 6	2 9	2 9	4 5	6 4	8 0	10 8	12 4	3 6	
250	0 6 0	9 1	0 1	0 1	0 1	1 3	1 6	1 9	2 0	2 3	2 6	2 9	3 4	7 6	9 8	12 10	15 13	18 16	22 11	
300	0 6 0	9 1	0 1	0 1	0 1	1 3	1 6	1 9	2 0	2 3	2 6	2 9	3 8	9 5	12 10	15 13	18 16	22 11	26 4	
350	0 6 0	9 1	0 1	0 1	0 1	1 3	1 6	1 9	2 0	2 3	2 6	2 9	3 10	10 6	13 8	16 12	19 15	22 14	26 7	
400	0 6 0	9 1	0 1	0 1	0 1	1 3	1 6	1 9	2 0	2 3	2 6	2 9	3 11	11 7	14 9	17 13	20 18	23 16	27 11	
500	0 6 0	9 1	0 1	0 1	0 1	1 3	1 6	1 9	2 0	2 3	2 6	2 9	4 1	13 8	16 11	19 15	22 20	25 18	29 14	
600	0 6 0	9 1	0 1	0 1	0 1	1 3	1 6	1 9	2 0	2 3	2 6	2 9	4 7	15 10	18 13	21 18	24 22	27 20	31 15	
700	0 6 0	9 1	0 1	0 1	0 1	1 3	1 6	1 9	2 0	2 3	2 6	2 9	5 9	17 13	20 16	23 21	26 25	29 22	33 18	
850	0 6 0	9 1	0 1	0 1	0 1	1 3	1 6	1 9	2 0	2 3	2 6	2 9	5 9	18 14	21 17	24 22	27 26	30 24	34 19	
over 850	0 6 0	9 1	0 1	0 1	0 1	1 3	1 6	1 9	2 0	2 3	2 6	2 9	7 5	20 15	23 18	26 21	29 28	32 26	36 21	

Plants can also be despatched per Rail, Cash on Delivery at receiving station.

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BUSINESS TERMS

CONDITIONS OF SALE.—We believe that all fruit trees, rose plants, etc., sold by us are of the description and kind specified by us at the time of sale, and are true to label; but owing to the practical impossibility in many cases of being absolutely certain of this, beyond refunding the original money paid for wrongly named goods or supplying others in their place, we, further, give no warranty, expressed or implied, as to their living, growth, description, quality or productiveness, and make all sales subject to these conditions. If the purchaser does not accept the goods sold to him on these terms, they are to be returned to us at once. All goods in transit at consignees' risk.

In forwarding you our Thirty-ninth Annual Catalogue and Price List, we tender our best thanks to all clients for their continued and increased support and kind recommendation, and hope to retain their confidence by straightforward and honest dealing. Our constant aim is to give the fullest value with each and every order entrusted to us, and in our 39 years' existence we have established one of the largest Fruit Tree and Rose Nurseries in New South Wales, using little advertisement other than satisfied clients' voluntary recommendations.

CORRESPONDENCE to be addressed to L. P. ROSEN & SON, CARLINGFORD, New South Wales, to save delay.

ORDERS are booked subject to shortage or failure of stock or other causes beyond our control.

ORDERING INSTRUCTIONS.—To save possible errors, omissions and misunderstandings, please use Order Sheet in Catalogue. Write your address legibly, and give clear instructions as to route, for, if no instructions are received, we will despatch goods according to our best judgment. Orders should be written on separate sheets, not mixed with the remarks or instructions in body of a letter, as this often causes mistakes. Be sure and sign your name and give address; orders reach us lacking either or both, and we cannot trace these until the sender complains. Ladies will assist by prefixing Mrs. or Miss, as the case may be, in giving signatures on letters, etc.

PAYMENTS.—In order to cut overhead expenses and save office work, unknown clients are respectfully requested to remit with order and, for your own advantage, please add cost of trainage or postage. Remittance may be made by Cheque (if drawn on any bank outside the metropolitan area, should have exchange added). Money Orders and Postal Notes, payable at **CARLINGFORD**. Please do not affix stamps on P.N., and record the numbers in case of loss, for if numbers are known they can be traced. Overdue accounts will be handed in for collection unless otherwise agreed upon at the time of sale.

FREIGHTS.—By passenger or mail train, parcels arrive much quicker than by goods train, and, although the cost is higher, in many cases it is advisable to have them sent by mail train, particularly evergreen trees, for when purchaser lives miles away from railway, it is cheaper to pay the extra freight than to make a special trip for them; but two rates prevail, "prepaid" and "to pay." Any surplus after paying freight can either be refunded, cut out with plants, or credited to your account, but if not sufficient, we will, unless otherwise instructed, forward packages "to pay," which costs 25 per cent. more.

PACKING is done with the utmost care, especially Citrus Trees. All orders accompanied with remittance are packed free. Packages are delivered at Carlingford Station, and all goods then travel at **consignee's risk and expense**.

PRICES throughout have been placed as low as possible consistent with first-class reliable quality, and "true to name." Special quotations will be given on receipt of details of the quantities required. We would draw your attention to the fact that in proportion to the outlay involved in securing and properly preparing suitable land for orchards, it is obvious that the small extra cost per acre of purchasing the best selected and most reliable trees of the various types is amply justified.

INQUIRERS for trees should definitely state if we are to hold the goods pending reply to inquiry and receipt of order, as no trees are held on order unless we are definitely asked to do so. Intending purchasers have at times been disappointed by writing, "What can you do the enclosed list for?"—and weeks later expected us to have kept them. We will be pleased to give any information by letter or otherwise to intending planters. Exact quotations will be given (if so required) for any order, packed, and freight paid to any railway station in New South Wales.

SUBSTITUTION.—To avoid disappointment, please state, when ordering, if you allow substitutes or not, for as the season advances some sorts might be sold out, and if the varieties asked for are exhausted, others as good and ripening the same time will be substituted when it can be done, unless instructed to the contrary.

BOOKED ORDERS.—So as to be sure of the varieties you particularly require, make your selection of Fruit Trees, Rose Plants, etc., upon receipt of Catalogue, and then book your order giving, if possible, the date order is to be despatched. We respectfully ask that a Deposit of 10 per cent. accompany all orders, and, in common fairness, do not cancel orders when the Selling Season is practically over.

INTERSTATE ORDERS.—We would be glad if Interstate purchasers would post their orders to arrive not later than Monday, as the Fumigation Inspector only calls every Tuesday, and all Interstate and Irrigation Area orders must be fumigated and certificate to that effect accompany them.

TELEPHONE ORDERS.—Owing to difficulty in hearing at times over the 'phone, we accept no responsibility for any errors occurring in taking down orders, unless confirmed by letter, and unknown clients' telephone orders will not be executed without full postal address or satisfactory references. Business 'phone, Epping 96; after hours, ring Epping 58 for Mr. J. W. E. Larsen.

EXECUTING ORDERS.—All orders are executed and despatched promptly on receipt, and when they are not desired immediately an acknowledgment will be promptly posted giving as near as possible a list of varieties which cannot be supplied,

etc., and should no acknowledgment be received within a reasonable time, it can be assumed that the order or letter has miscarried. All orders are advised or Invoiced the same date as despatched, and receipts given for moneys enclosed on printed form so as to check possible errors in book-keeping.

DELAYED CONSIGNMENTS.—It sometimes happens that parcels get delayed in transit. In such cases it is best to communicate direct with the Railway Traffic Manager, Sydney, as well as notifying us; and if parcels are so long in transit that there is a doubt that plants are alive, delivery need not be taken, or the parcel could be opened in the Stationmaster's presence, to see if they are in a fit state to be taken delivery of. But in all cases it is the buyer who has to make a claim. We, as senders, cannot do so. **INTERSTATE** parcels may be delayed at the border town, or often at the Department of Agriculture in the capitals. Communicate with either for speedier results, as well as notifying us.

REPLACEMENTS.—We cannot undertake to replace, gratis, plants that may fail. As a plant is a living, breathing thing, we have no power to give any assurance or promise as to life; all we can do is to supply a sound, clean and healthy plant. When plants are received in good condition no difficulty should be found in getting them to grow and do well, unless the conditions and treatment are not favorable, and it is obviously not just or logical for the nurseryman to assume responsibility for meteorological or cultural failures. Where faults are ours we will invariably make good.

COMPLAINTS.—We exercise the greatest possible care in filling orders to send out goods absolutely true to label, and all buds, etc., are either cut personally by ourselves or by Bud Selection Society in order to reduce possible mistakes to a minimum; yet, in the busy packing season, when we are working at high pressure, errors sometimes occur, and we hold ourselves prepared to promptly rectify any errors as far as possible. Stock should be carefully counted upon receipt; or any error or overcharge, if not correct, please write us at once, stating what the trouble is, so that we may at once rectify the mistake or give a satisfactory explanation, as we desire to conduct our business in every way satisfactory to those who may favor us with their confidence. As it is beyond our power to control the treatment of stock after despatching, we cannot pay attention to complaints unless promptly made.

ONLY THE BEST.—We are often asked to send only the best varieties in fruit trees and roses, but this is largely a matter of taste and locality, for what pleases one does not suit another; and the first thing intending planters of orchards should do is to ascertain the behaviour of the different varieties in their immediate neighbourhood. Where selection is left to us we will always send good, reliable kinds likely to give the fullest satisfaction.

SPECIAL PROPAGATION.—We are prepared at all times to specially propagate trees for clients from seedlings, or selected strains, as keen observers will often notice that some trees bear better than others, and when extensive planting is contemplated, we would advise propagating from such trees in preference, such trees to be the exclusive property of the growers for whom they are propagated. For Autumn budding during February, to April, cut firm, well ripened wood of current season's growth, and cut all leaves off before despatch. For grafting cut dormant growth in late July.

PRUNING.—Unless we are specially asked to do so, all fruit trees are sent out unpruned, as methods and ideas of pruning vary considerably according to different climates, and most planters prefer to prune according to their own ideas. If pruning is required, please mark plainly on order sheets.

AGED TREES.—We are sometimes asked for two, three-year, or older trees, as many regard these as better than a well-grown yearling; but all our large buyers, those who make a living in fruitgrowing, prefer the yearling to an older tree, as it transplants better, takes easier, makes a better start, and can be pruned to any desired shaped tree, and at the end of one or two years is quite the equal of any older tree planted at the same time, and in most cases better, so there is little or no gain in planting the older trees. The age of trees is often misunderstood for, in Australia, the recognised custom is to count the age from budding or grafting, consequently what in Australia is called a "yearling" would be termed in Europe or America a three or four-year-old.

NEW VARIETIES.—We import, as far as is permissible with the Quarantine Restrictions, new varieties, such as should be of superior merit, from the most reliable sources in other parts of the world, and the descriptions of these are taken from the

L. P. Rosén & Son - Nurserymen - Carlingford, New South Wales, Australia.

distributors' catalogues, not ours, as we cannot test and fruit new varieties until we have had them at least three or four years, or even longer, and in many cases we are unable to fruit them here, as climatic conditions are not suitable for several kinds; hence we would take it as a favour if planters more favourably situated would furnish us with a report on any new or comparatively unknown variety that they may have fruited, as this would greatly help us in recommending or discarding same as the case may be, for in both fruit trees and roses it happens that those most highly recommended in other climes and places do not come up to expectations, and more than likely may prove no more valuable than those already recognised of established commercial value. Hence we always try to avoid giving too glowing descriptions.

INFORMATION.—When your trees have been bearing a few years and are showing results, we would thank you to inform us as to which sorts are proving most successful with you, as we wish to eliminate all unsuitable varieties catalogued. Should you have forgotten the names, by giving us the year of purchase, we are enabled to supply details of the varieties bought, as we keep records for 10 to 12 years back.

TRAVELLERS.—It has come to our knowledge that salesmen for nursery goods have represented that we are allied with other nursery firms, but we have absolutely no connection with any other firm, nor are we represented by any traveller for nursery goods. We would kindly thank you to inform us if such representation is made to you.

SPRAYING.—In order to have our fruit trees and rose plants as free from disease as possible, we have designed a special transport spraying system for the trees in the nursery rows. This will enable us to keep all kinds of diseases to a minimum and we also, in order to further safeguard our trees, are now dipping the roots of the young stock before planting in the most effective fungicides which are available, which should help to eliminate the possibility of Crown Gall infection, etc.

FUMIGATION is carried out under the supervision of the Department of Agriculture for all orders requiring certificates, and we are also prepared to fumigate any order if requested to do so.

ALL FRUIT TREES and ROSE PLANTS offered in this Catalogue are hardy, well rooted, and may be seen growing in our nurseries at any time. These are propagated solely under our personal supervision and buds and scions selected by us with great care from the finest strains available. Any varieties not listed we are willing to procure, if available.

BUSINESS HOURS.—Week-days, 7.30 to 4.45; Saturdays, 7.30 to 11.30. Closed on Sundays. Nurseries are close to Carlingford Station (12 minutes), and contain about 50 acres under young stock, in various stages of development. Inspection cordially invited. The best months in which to inspect the Roses are March to May.

LOCATION.—All business is now transacted from our main Nursery and Offices, situated in Pennant Hills Road, CARLINGFORD, about three-quarters of a mile from Carlingford Railway Station, on the main road going towards Wireless Station.

'BUS SERVICES.—Epping-Carlingford and Eastwood-Carlingford 'bus, alight P.O.; Pennant Hills-Parramatta 'bus passes our entrance.

This present Catalogue abrogates all previous terms, conditions and prices.

L. P. ROSEN and SON

PENNANT HILLS ROAD, CARLINGFORD NEW SOUTH WALES.

JOHN W. E. LARSEN (late A.I.F.), Sole Proprietor.

To Those On Our Mailing List

If you do not receive our Catalogue before mid-April, it has either gone astray, or by some unaccountable error has been overlooked. A reminder will be appreciated, and the oversight rectified. If you have no use for this Catalogue, we would esteem it a favour, and thank you to hand it to some friend who may find it useful.

FRUIT TREES

PLANTING TIME.—All deciduous Fruit Trees should be planted during May to August, inclusive, since it is only during that period that the trees are dormant and in best condition to be transplanted. June and July are generally regarded as the best months. Early planted trees get established before the dry Summer sets in. Time of planting should be judged a good deal by your own locality, as in some districts Spring is later than in others. Our district being comparatively early, it is advisable for planters in districts where Spring is late to receive the trees early, and heel in till required, as they are more likely to remain dormant that way. Trees can be planted earlier or later if so desired, but there is no advantage and nothing gained in planting out of season.

RIPENING.—The times of ripening of stone fruits described is, in the majority of cases, as naturally ripening on the tree in the Cumberland coastal district, but soil, aspect, elevation, moisture, influences this and often varies in the same orchard from year to year, depending on climatic conditions. Cold and inland districts are usually about three weeks later with early to mid-season fruits, but with later kinds the margin is not so wide.

FRUITING.—The age trees begin to bear is variable, and largely depends on pruning, cultivation, and conditions prevailing after planting. Trees growing extremely well in early stages will not bear as early as trees that get checked in their growth, and when trees are neglected and left unpruned from the beginning they will often fruit early, but rarely develop into a tree capable of bearing a normal crop. Sizes of any fruits given are average size grown under normal conditions, as fruit on young trees is generally much larger and coarser than on older ones. Extra early bearing is not always desirable, as it is at the expense of future crops. Flowering dates wherever given are by courtesy of the Department of Agriculture, Sydney.

APPLES

Propagated on Northern Spy and on Seedling Stock; commence bearing 4th-7th year after planting. 1/6 each, 15/- per doz., or £5 per 100, where not otherwise priced.

Apples propagated on bligh-proof stocks (Northern Spy) prevent Woolly Aphis from attacking the roots; but the bligh-proof stock does not prevent the insect from attacking the tree above the budded or grafted place. Apples grown in warm climates are not as good keeping as those from cold climates, and early kinds should not be stored, as they deteriorate quickly. For guidance see Bulletin issued by the Department of Agriculture, Sydney.

ALLSOPP'S EARLY.—Medium, green floury, prolific, the earliest cooker for coast; blight-proof; blooms Sept. 15th.

ANOKA.—New. 2/-.

AURADELL.—Green cooker, ripe before Christmas. Good seller.

BLACK BEN DAVIS.—Large, dark red, good keeper, heavy bearer, late.

CARRINGTON RED.—Medium, bright scarlet, varies considerably in color, often striped, and appears to be incorrect; prolific, blight-proof; the best early for the coast. Blooms Sept. 10th.

CARRINGTON STRIPED.—Large, yellow, striped red, good bearer, fair quality, early. Striped trees are occasionally found amongst red ones.

CLIMAX.—Medium, yellow streaked red, flesh yellow, crisp, juicy, early, good bearer, blight-proof.

CLEOPATRA.—Large, yellow, conical heavy cropper, good keeper, fine for

cooking or dessert, late, subject to bitter-pit in badly drained soils. Blooms October 11th.

COMMERCE.—Medium, red with blue bloom, quality fair, heavy cropper, almost blight-proof; late.

COWELL'S RED.—Medium size; skin yellow, streaked and splashed with broken crimson stripes; a showy apple; good early market variety; does well Camden district. Blooms Sept. 25; lasts 8 days.

DANDRY.—Large, good bearer and keeper, fine flavor, sweet, solid flesh, excellent cooking and dessert, late. 2/-.

DELICIOUS.—Medium large, color streaky and irregular, fine dessert, heavy bearer, late mid-season.

DUNN'S (Munro's Favorite).—Very large, yellow with red cheeks, heavy bearer, good keeper, cold climates only; late.

- EARLY McINTOSH.**—New, promising.
- FAMEUSE (Lady in Snow—Fanny).**—Medium size, good color, snow-white flesh, splendid dessert, mid-season to late; aged trees bear well.
- FRIMLEY (Red Rome Beauty).**—Large, dark red, hard and crisp, good keeper and bearer; late.
- GOLDEN DELICIOUS.**—Large, golden yellow, firm flesh, good keeper; late.
- GRANNY MACK.**—Large, greenish, at times pale red check, good bearer, good flavor, keeps well; late.
- GRANNY SMITH.**—Large, greenish yellow, juicy; good cooker, but if stored becomes a first-class dessert fruit; late. The leading apple of N.S.W. Blooms Oct. 7th.
- GRAVENSTEIN (Carpenter).**—Medium to large, yellow striped red, crisp and delicious, falls easily, dessert, fairly early, moderate grower.
- GRIMES' GOLDEN.**—Large, golden yellow with grey dots, roundish, flesh yellow, fine dessert, good keeper, very late.
- IRISH PEACH.**—Medium, red streaked, flattish, good bearer, blight-proof, dessert, a good early for cold highlands.
- JONATHAN.**—Large, yellow, overlaid red, flesh crisp and juicy, good bearer, a favorite everywhere; mid-season. Blooms Oct. 6th. Pollinator Delicious.
- KING DAVID.**—Medium to large, dark red, quality good, heavy cropper, mid-season.
- KIRKS.**—Large, crisp, somewhat tart, bright red, fair carrier, early ripening, for Xmas market. Blooms Sept. 9th.
- LALLA (Red Delicious).**—Identical in every way except color, which is bright crimson all over.
- LONDON PIPPIN (Five Crown).**—Large flattish, yellow, heavy bearer, cooking and dessert apple, for cold climates only, almost blight-proof; late.
- LORD NELSON.**—Extra large yellow with red, prefers loamy soil, aged trees bear well, cooking; early.
- McINTOSH.**—Large, yellow, flushed red, heavy bloom, excellent quality, soft white flesh, falls easily, a fine dessert apple; mid-season. Blooms Oct. 10th.
- MEDINA.**—Of the Delicious type, resembling it closely, but larger and more attractive. Good bearer; late. 2/-.
- MILTON (Yellow).**—Of McIntosh type, but ripens a month before; vigorous, prolific, hardy; flesh white, tender, crisp, juicy; 2/-.
- MOBES' ROYAL.**—Very large, green, cooking and baking, good bearer, early. Blooms Oct. 11th.
- NORTHERN SPY.**—Large, yellow striped red, juicy and aromatic, keeps well, blight-proof, for cold climates only, aged trees bear well; late.
- ORLEANS.**—Delicious type, but more attractive and larger. It ripens the same time as Delicious, but keeps longer; good bearer. 2/-.
- PREMIER.**—New, Medium size, well coloured, early. 2/-.
- RAINIER.**—Large, bright color, good dessert, supposed to be superior to Delicious in flavor, firm flesh, long keeper, prolific, late.
- RED GRANNY.**—Has not been fruited by us. We are therefore unable to say if it comes up to "Granny" standard.
- RED GRAVENSTEIN.**—A sport from Gravenstein. The main difference is a dark, solid, red colored fruit and recommended as being superior to all other Gravenstein types.
- RED JONATHAN.**—An improved sport Promising.
- ROME BEAUTY.**—Large, yellow striped red, good keeper, hard and crisp, blights badly at times, one of the best; late.
- RUBY GEM.**—Large, bright red, flesh white, falls easily, blight-proof, early, prolific.
- SCARLET NONPARIEL.**—Medium, yellow streaked red, good quality, prolific, cold moist climates only, very late; good keeper.
- STAYMAN.**—Large, yellow flushed red, good keeping dessert, fine quality, good bearer, late.
- STURMER.**—Large, yellow overlaid dull red, prolific bearer, long keeper, cold moist climates only; late.
- SUPERB.**—New. 2/-.
- TASMA (Democrat).**—Large, dark crimson, flattish, grand keeper, coarse quality, heavy cropper, very late.
- TRIVETT.**—Medium, yellow striped red, crisp, white flesh, heavy bearer, requires thinning, mid-season. Blooms Sept. 25th.
- TWENTY-OUNCE.**—Very large, greenish yellow, streaked red, cooking, good bearer, blight-proof, mid-season.
- WALDRON.**—Medium, bright color, white flesh, suffused pink, prolific, good quality, juicy, late.
- WILLIAMS' FAVORITE.**—Large, striped red, blight-proof, flattish, dessert, good bearer, moderate grower, early.

WILLIE SHARP.—Medium, yellow, good dessert, blight-proof, keeps well for an early apple, good bearer.

YATES.—Medium to small, striped and mottled, dull red, dessert, good keeper, prolific, for cold climates only; very late.

APRICOTS

Propagated on Mariana Plum Stock; Peach Stock and Apricot Stock; commence bearing 4th-6th year after planting.

1/6 each, 15/- per dozen, or £5 per 100, where not otherwise priced.

Require well-drained and high situation; shaley and gravelly subsoil often produce the best fruit. Unlike other stone fruits, Apricots are spur bearers, hence seldom bear young, mostly growing into a large tree before showing much spur-bearing wood. See pamphlet on Apricot growing issued by Department of Agriculture.

BOLTON.—An apricot largely grown commercially in Central Otago, N.Z.

CAMDEN SUPERB.—Large, pale yellow, oblong, good bearer, requires high situation; early.

CATTELL EARLY.—Large, yellow, fair bearer.

COLORADO.—Large, golden yellow, good quality, good bearer, late.

EARLY MOORPARK.—A very fine apricot, ripe early in December.

GLENGARRY.—Ripens middle of November, fair size, good seller.

HEMSKIRK.—Very large, yellow, good bearer, late.

KINGSTON EARLY.—A new variety from S.A. which gives promise.

MANSFIELD'S.—Large, yellow, fine flavor, good bearer, mid-season.

MOORPARK.—Large, yellow, red cheek, good quality, fine carrier, good bearer, mid-season.

NEWCASTLE.—Medium, yellow, red cheek, good quality, early and heavy bearer, best early.

OUILLIN'S EARLY.—Large, golden yellow, roundish, rich flavor, good bearer.

PINEAPPLE.—Large, roundish, bright yellow, good bearer, mid-season.

ROYAL.—Large, yellow, red cheek, good bearer; mid-season.

SHIPLEY BLENHEIM.—Large, deep yellow, good bearer; mid-season.

TILTON.—Large, golden yellow, good drying, prolific, mid-season.

TREVATT.—Large, yellow, rich, good cropper and dryer, mid-season.

WENATCHEE.—Large, golden yellow, fine shipper, heavy bearer, mid-season.

CHERRIES

Propagated on Seedling Mazzard Stock and Kentish Stock; commence bearing 5th-8th year after planting.

1/6 each, 15/- per dozen, or £5 per 100, where not otherwise priced.

Require a cold climate, deep soil, preferably of a light mellow texture (as heavy clay soils are unsatisfactory) with good natural drainage, and in New South Wales an elevation of at least 1500 feet. See booklet issued by the Department of Agriculture, Sydney.

BEDFORD PROLIFIC.—Large, brownish, black, great cropper, mid-season.

BELLE D'ORLEANS.—Medium, pale red, good cropper, very early.

BIGGARREAU COMMON (White Heart).—Large, pale red, prolific, early.

BIGGARREAU NAPOLEON.—Large bright red, firm, white flesh, late; fine for crystallising and canning.

BING.—Large, dark black, fair bearer, late.

BLACK HEART.—Large, black, shy bearer; early.

BLACK REPUBLICAN.—Large, black, firm flesh, mid-season.

BLACK TARTARIAN.—Large, black, prolific, mid-season.

BLEEDING HEART.—Large, dark red, fine quality, red flesh, good cropper, mid-season.

BURBANK.—Large, crimson, firm flesh, heavy bearer, fine quality, very early, best suited for early districts.

BURGDORFF'S.—Large, dark red, good bearer, early; the best for the Coastal and early districts.

CALIFORNIAN ADVANCE.—Medium, purple, good bearer, very early.

EAGLES.—Medium, blackish, good bearer; early.

EARLY LYONS.—Large, black, firm flesh, pendulous habit, largely planted for markets, most profitable for the early sorts in suitable positions.

EARLY RIVERS.—Large, black, good bearer, very early.
EARLY PURPLE GUIGNE.—Medium black, prolific; very early.
FLORENCE.—Large, bright red, good bearer, one of the best for shipping; late.
GIANT (Burbank).—Very large, roundish, black, sweet, good shipper, vigorous grower, very late. Does not crack like some. Quality splendid. New.
MAY DUKE.—Medium, brownish black, good bearer, early.
NOBLE.—Large, blackish crimson, flesh firm and sweet, very late.

PRECOCE DE BOPPARD.—Large, brownish red, juicy, good bearer, very early.
RAMEN OLIVA.—Large, dark red, flesh firm; resembles Early Lyons, but more upright grower; early.
ST. MARGARET.—Very large, black, flesh firm, one of the best for market; late; pollinator Napoleon.
TANGSHI.—A new cherry, reported to be extremely early in ripening; worth testing in early districts.
WERDER'S.—Large, shining black, productive; early.

NECTARINES

Propagated on Seedling Peach Stock; commence bearing 1st-3rd year after planting. 1/6 each, 15/- per dozen, or £5 per 100, where not otherwise priced.

Require similar soil and treatment to the Peach, to which they are closely allied, for the growth and stone are the same, the flesh having a rich aromatic flavour, but skin is smooth and more tender to Fungus disease and Brown Rot, though varieties with highly coloured fruits seem to resist the Brown Rot better than others.

CARDINAL.—Medium large, bright red, good cropper, slip, very early, moderate grower; blooms Sept. 16th.
DARGAVILLE.—New. Heavy cropper, good quality fruit. 2/-.
DIAMOND JUBILEE.—Large, scarlet, flesh white, prolific, mid-season; slip.
EARLY RIVERS.—Large, slip, bright red, moderate grower, very early, good; blooms Sept. 20th.
GOLDMINE.—Very large, bright bronzy red, fine flavor, slip, sure bearer, mid-season, dries well. The leading Nectarine of Australia; blooms Sept. 10th.
IRREWARRA.—Highly coloured free-stone, very early, good flavour.
JOHN RIVERS.—Large, high color, very early, good flavor, juicy.
LADY CARRINGTON.—Large, bright scarlet, good flavor, prolific, the best cling, mid-season.
LEE'S.—Large, streaked red, fair cropper, slip, mid-season.

MASTERPIECE (New Nectarine).—Large, attractive; Skin yellow, thickly overlaid with bright crimson; flesh deep yellow; stone small; late.
NEW BOY.—Large, crimson, flesh juicy, good bearer, slip, late mid-season. Blooms Sept. 14th.
QUETTA.—Very large, mottled red-yellow skin, richly flavoured white flesh. Bears well. (Raised in N.Z.).
RIVER'S ORANGE.—Medium, yellow, red cheek, fine flavor, good bearer, slip, yellow flesh, early; blooms Sept. 10th.
STANWICK SEED.—Large, yellow striped red, good flavor, does not crack much, best of the late slips; blooms Sept. 12th.
THE JURY.—New. Large Nectarine. similar to Goldmine. 2/-.
W. C. FRIPP.—Large, yellow with red, good bearer, cling, late.

PEACHES

Propagated on Seedling Peach Stock; commence bearing 1st-3rd year after planting. 1/6 each, 15/- per dozen, or £5 per 100, where not otherwise priced.

Thrive best in good, open loam, thoroughly drained, but will grow in almost any fairly well-drained soil. Early kinds are not suited for canning, as they go soft or mushy too quickly; late kinds, being slower maturing, have a tougher flesh, which keeps well when canned. See booklet issued by the Department of Agriculture. Sydney.

ADMIRAL DEWEY.—Large, yellow, red cheek, yellow flesh, good flavor, blooms late, good bearer, ripe Xmas; slip.
ALTON.—Large, creamy, red cheek, flesh white, juicy, good bearer, slip, early; blooms Sept. 9th.

ANZAC.—Like a Briggs, but recommended as a sure cropper. Ripe before Xmas.
AUNT BECKY.—Large, bright crimson, white-fleshed, prolific, slip, early; blooms Sept. 12th, ripens New Year.

BABCOCK.—Bears the first Summer after planting. Trees attain large size; high quality; good appearance with a smooth fuzzless red cheek; juicy; richly flavoured, white flesh. Fruit is not large. To get best results trees require plenty of water in the Spring and Summer. Tree must be heavily thinned. 2/6.

BELL'S NOVEMBER.—Medium, yellow flushed red, prolific, blooms July 20th, requires high situation, slip, very early.

BELL'S IMPR. (Lambton).—Large, yellow flushed red, good bearer, slip, ripens before Xmas; early.

BENNETT'S PERFECTION.—Large yellow freestone, ripens March, good cropper. New. 2/6.

BLACKBURN.—Large, yellow, red cheek, yellow flesh, prolific, slip, ripens New Year. Blooms Aug. 28th.

BLACK BRADDOCK.—Larger than Braddock, but not so prolific. We believe this identical with Mauri Maid.

BRADDOCK.—Medium, red, crops heavily, slip, requires severe pruning and thinning, early. Blooms Aug. 15th.

BRADDOCK IMP.—Larger, lighter in color, not so bitter, fair bearer. Fruit and trees of this and Bunny Braddock appear to be identical.

BRIGG'S RED MAY.—Well known early kind, mostly a shy cropper, semi-cling. Blooms Sept. 15th.

BUTTERCUP.—New. Yellow cling, good quality, fruit small to medium. Ripens just before Greensboro. 2/-.

CARMAN.—Large, creamy with red cheek, white flesh, fine quality, slip, ripens Xmas; one of the best of its season. Blooms Sept. 16th.

CHRISTMAS BOX.—Large, creamy, flushed red, white flesh, fine flavor, slip, ripens Xmas, fair bearer. Blooms Sept. 20th.

DONCASTER.—Ripens in December, good color, good carrier.

DRIPTONE ELBERTA.—A peach of high quality, yellow flesh, slip, ripens about the same time as J. H. Hale.

DUCHESS OF CORNWALL.—Medium, good color, good flavor, fair bearer. Blooms Sept. 16th.

EARLY ELBERTA.—Large, yellow, flushed crimson, yellow flesh, good cropper, slip, mid-season. Blooms Sept. 9th.

EARLY SILVER.—Large, good color, for home use, prolific, ripens early Dec., fair grower. Blooms Sept. 9th.

ECLIPSE.—An attractive yellow peach with a deep blush, quality good, freestone, mid-season. 2/- each.

EDWARD VII.—Medium, yellow, flushed bright red, blooms July 25th, slip; requires high situation; extra early.

ELBERTA.—Large, yellow and red, yellow flesh, slip, good bearer, mid-season. Blooms Sept. 16th.

ELBERTA CAMDEN.—Ripening before Elberta.

FLAT CHINA (Button Peach).—Medium flat, greenish, tinted red, blooms early, slip, good bearer, specially suited for North Coast climate; early.

FRANKLIN PEACH.—White flesh, slip-stone, good carrier, ripening about Xmas time.

GOLDEN KING.—A large late yellow-flesh cling, good for bottling or canning. A heavy cropper and good keeper. 2/-.

GOLDEN QUEEN.—Medium, yellow to stone, heavy cropper, cling, a canner, compact growth, late; blooms Sept. 2nd.

GOODMAN'S CHOICE.—Large, yellow, yellow flesh, good bearer, cling, a canner; late; blooms Sept. 12th.

GOVERNOR RAWSON (Frank's).—Medium, white flushed red, slip, wants high situation, prolific, blooms July 25th, extremely early, ripens November.

GREENSBORO.—Large, bright red cheek, fair quality, prolific, slip, ripens mid-December.

HALE'S EARLY.—Large, blush red, good flavor, slip, requires good soil to do well; early; blooms Sept. 18th.

HIGH'S EARLY CANADA.—Ripens with Brigg's Red May, and in every respect superior; large fruit, skin yellowish-white; early.

ITALIAN CLING.—Very large, yellow, red cheek, flesh yellow, very late.

ITALIAN SLIP.—Very large, yellow, red cheek, yellow flesh, prolific, very late. Blooms Sept. 20th.

JUNE ELBERTA (Mikado).—Large, yellow, tinted red, good bearer, semi-cling, the earliest yellow flesh, ripens early December; blooms Sept. 8th.

J. H. HALE.—Very large, round, yellow, bright red cheek, yellow flesh, fine grain, good flavor and carrier, slip, mid-season, requires pollinating (Blackburn); blooms Sept. 12th.

J. M. MACK.—Large, firm flesh, good bearer, slip: blooms Sept. 9th.

KING OF ALL.—A peach very similar to Watt's Early.

LA FRANCE.—Medium, carmine, flesh white, juicy, prolific, slip, ripens after Wiggins; blooms Sept. 18th.

- LATE ELBERTA.**—Good, large, yellow flesh. A little later than ordinary Elberta.
- LATE QUEEN.**—A freestone seedling from Golden Queen, ripening fully three weeks later, possessing a rich, peachy flavor, very juicy, good canning variety. 2/-.
- LA VAINQUEUR.**—Medium, cream tinted red, good bearer, slip, ripens early December; blooms Sept. 18th.
- MAMIE ROSS.**—Large semi-cling; flesh white, very juicy, early, ripens middle December, sure bearer, hardy.
- MANNALL'S SLIP.**—Good size peach highly colored, ripening about a week before Robert Stewart. 2/-.
- MARRIAGE'S SEEDLING.**—A large yellow freestone, superb quality, with little fuzz on skin, ripening latter part of March; dependable cropper. 2/-.
- MARQUIS OF DOWNSHIRE.**—Large, round, greenish, red cheek, white flesh, good bearer, late; blooms Sept. 9th.
- MAYFLOWER.**—Large, bright red, good quality, ripens mid-November, semi-cling, late flowerer, irregular bearer in most places; blooms Sept. 12th.
- METEOR.**—Large, yellow freestone, good colour, heavy cropper, firm flesh, mid-season. 2/-.
- MEYER'S ECLIPSE.**—Good variety of the Briggs' type but better bearer. New. 2/-.
- MOUNTAIN ROSE.**—Large, bright red, white flesh, prolific, requires good soil, early; blooms Sept. 9th.
- PARAGON.**—Medium size, deep yellow mottled with red, very juicy, clingstone, mid-season.
- PEAK'S.**—Large, roundish, deep yellow, red cheek; firm, yellow flesh, good canner, cling, late; blooms Sept. 9th.
- PELORA.**—Large, roundish, golden; firm, yellow flesh; cling, good canner, good bearer, mid-season; blooms Sept. 1st.
- PHILLIP'S CLING (Burn's type).**—Large, yellow-fleshed cling, regular cropper, a canner, late. Blooms Sept. 1st.
- PIONEER.**—Fruit medium size, attractive in color. Ripens about a week before Carman. Worth a trial.
- PRINCESS ROYAL.**—Large, round, creamy, shaded red, white flesh, good bearer, cling, late; blooms Sept. 16th.
- PULLAR'S CLING.**—Very large, yellow, red cheek, yellow flesh, a canner, late; blooms Sept. 10th.
- REEVE'S FAVORITE.**—Large, yellow, red cheek, flesh yellow, red at stone, slip, prolific, ripens before Elberta; blooms Sept. 10th.
- RENNIE.**—Ripening end of November, white flesh, good color.
- ROBERT STEWART.**—Large, white, red cheek, white firm flesh, good flavor, cling, good bearer, mid-season; blooms Sept. 9th.
- ROGER LOUIS.**—Large, yellow shaded purple, flesh red, juicy, sweet, slip, late.
- ROSEBUD.**—New. White flesh, almost free, excellent quality, few days after Greensboro; bright color. 2/-.
- ROWE'S CHAMPION.**—Large slip, bright red, white flesh; ripens mid-Jan.
- ROYAL GEORGE CLING.**—Large, white, crimson cheek, flesh white, mid-season; blooms Sept. 16th.
- ROYAL GEORGE SLIP.**—Large, white, red cheek, white flesh, fine quality, good bearer, mid-season; blooms Sept. 16th.
- RUBY RED.**—Large, bright red, flesh white, cling, heavy cropper, dwarfish growth, early; blooms Sept. 14th.
- SHANGHAI SEEDLING.**—Large, white, red cheek, white flesh, fine flavor, cling, heavy cropper, mid-season; blooms Sept. 7th.
- SHANGHAI SLIP.**—Large, white flesh, much like Shanghai Seed, only a slip; blooms Sept. 9th.
- SHIPPER.**—Large, clingstone, with deep yellow flesh, skin orange-yellow, red cheek, of very attractive appearance. 2/-.
- SMITH'S SEEDLING.**—Freestone; fruit large, highly colored, white flesh, an excellent dessert peach; ripens middle January. Strongly recommended.
- TRIUMPH.**—Large, yellow, flushed red, flesh yellow, good flavor, slip, good bearer, blooms late, inclined to be hairy, ripens before Xmas; blooms Sept. 15th.
- UP-TO-DATE.**—Yellow fleshed freestone, most vigorous, heavy bearer, fruit of good size and flavor. 2/-.
- WAIPAWA.**—Very large white-fleshed freestone, with beautiful pink skin. Fruit is of good quality. 2/-.
- WATT'S EARLY.**—Medium to large, creamy, flushed dark red, blooms early, good bearer, slip, ripens last November, requires heavy pruning and thinning. One of the best early.
- WATTON.**—Ripens about Xmas time, good color and good carrier; promising.
- WIGGINS.**—Large, oblong, creamy, red cheek, white flesh, fine quality slip, heavy cropper, ripens New Year, a good market kind; blooms Sept. 18th.

W. H. SPINKS.—Raised in the Windsor district; good bearer; hard pruning required. Blooms 4th Sept.

ZERBES.—A very fine eating variety; good cropper, fruit highly colored; early mid-season, when good peaches are scarce; freestone.

PEARS

Propagated on Seedling Pear Stock; commence bearing 4th-8th year after planting.

1/6 each, 15/- per dozen, or £5 per 100, where not otherwise priced.

Thrive best in deep, moist soil, with sheltered position. Plant deeper than other trees. Slower to begin fruiting than most trees. Pears grown in warm climates are not as good keeping as those grown in colder climates, and some early kinds often rot inside. China and Keiffer are the most suitable kinds for break-wind purposes. For full guidance see Bulletin 92, issued by the Department of Agriculture.

BARON DE MELLO.—Medium, skin russet, flesh yellow, buttery, good bearer, pollinator for Packham's, mid-season.

BERGAMOT (Bailey's).—Medium, greenish russet, good flavor, keeps well, late.

BERMAGOT (Gansel's).—Large, greenish russet, keeps well, melting, splendid flavor, late.

BEURRE BOSCH.—Large, very long, rich brownish russet, finest quality, good keeper, aged trees bear well, moderate grower, late.

BEURRE CAPIAUMONT.—Medium, yellow, red cheek, flesh firm, keeps well, fair quality, heavy cropper, mid-season.

CHINA.—Large, yellow, prolific, good for kitchen and preserving, mid-season.

CLAPP'S.—Very large, yellow, red cheek, fine quality, falls easily, juicy, good market sort, early; blooms Oct. 2nd; will not store.

DOYENNE DU COMICE.—Medium greenish yellow, fine flavor, prolific, dwarf growth, late.

GLOU MORCEAU.—Large, obovate, yellow, flesh buttery, juicy, good dessert, late.

HOWELL.—Medium, light waxen yellow, good quality, heavy bearer, keeps well, good market sort, early mid-season.

JOSEPHINE DE MALINES.—Medium greenish yellow, fine flavor, juicy, good

keeper, very late, aged trees bear well; blooms Oct. 5th.

KEIFFER (China Hyb.).—Large, roundish oval, yellow, prolific bearer, good canner and fair quality if stored, late; pollinates Howell.

NAPOLEON.—Large, greenish, red cheek, good keeper, good bearer, cooking and dessert; very late.

PACKHAM'S TRIUMPH.—Large, greenish yellow, irregular shape and size, fine quality, good keeper, good bearer; one of the best dessert pears; late; blooms Sept. 22nd.

WILLIAMS (Bartlett).—Large, yellow, red cheek, fine quality, musky flavor, heavy bearer; dries and cans well; one of the widest planted, mid-season; blooms Oct. 1st; pollinates Howell, Bosch, and W. Nelis.

WILLIAMS' LATE.—Similar to Williams' but much later and better keeper.

WINTER BARTLETT.—Large, greenish yellow, irregular shape, coarse grained, good bearer; late.

WINTER COLE.—Medium, greenish yellow, juicy, good bearer and keeper, late.

WINTER NELIS.—Medium, russet, good bearer and keeper, one of the finest flavored dessert pears; late; pollinates for Packham's.

EUROPEAN PLUMS

Propagated on Mariana and Myrobolam Plum Stock, and a few kinds on Peach Stock; commence bearing 3rd-5th year after planting.

1/6 each, 15/- per dozen, or £5 per 100, where not otherwise priced.

Most of the European varieties only come to perfection in mountain districts, or where the winter is cold. Those marked with an asterisk can also be grown commercially on the coastal area. Require little attention, and can endure more hardship as to soil and situation than most fruits. See also Prunes, all of which are first-class table fruits as well. For full guidance see Bulletin 86, issued by the Department of Agriculture.

***ANGELINA BURDETT.**—Large, purple, fine dessert, slip, irregular bearer in coastal belt, one of the best, mid-season; blooms Sept. 9th.

- ***CHERRY PLUM (Red American).**—Medium, bright red, slip, extra early.
- COE'S GOLDEN DROP.**—Large, yellow, rich, slip, for cold districts only; late.
- ***DIAMOND.**—Extra large, oval, almost black, heavy bloom, tart, slip, prolific cropper, mid-season; blooms Sept. 12th.
- ***EARLY EVANS.**—Medium, blackish, purple, slip, sometimes shy, very early; blooms Sept. 9th.
- EARLY ORLEANS.**—Large, purple, sweet, slip, splits easily in wet; mid-season.
- ***EXCELSIOR (Jenkins).**—Large, roundish, purple, heavy bloom, good flavor, sweet, prolific, slip, ripe mid-January; one of the best.
- GIANT.**—Enormous size, red, firm flesh, yellow, slip, good bearer, fine carrier, poor grower; mid-season.
- GRAND DUKE.**—Very large, blackish purple, fine flavor, slip, prolific, late.
- GREENGAGE.**—Medium, green, flavor unsurpassed, slip, requires cold climates to bear well; mid-season.
- JEFFERSON PLUM.**—Large, golden yellow, juicy and highly flavored, one of the best; medium.
- KING OF THE DAMSONS.**—Medium, very tart, blue, slip, frost plum, moderate grower; late.
- ***LUTHERBOROUGH.**—Medium, black, slip, heavy bearer, good for jam, unusual flavor, mid-season.
- MERRYWEATHER (Damson).**—Medium blue, Damson flavor, slip, good bearer, late.
- POND'S (Hungarian Prune).**—Large, red, slip, good cropper in suitable locality, an irregular bearer and uncertain grower, mid-season, often dies back.
- ***PRESIDENT.**—Large, oblong, prolific, with white dots, heavy bloom, flesh firm, good bearer, slip, one of the best for cold climates; very late.
- TIBBITT'S.**—Medium, purple, prolific bearer, rather tart, slip, extremely early; blooms Sept. 9th.

PRUNE PLUMS

Propagated on Mariana and Myrobolam Plum Stock; commence bearing 4th-7th year after planting.

1/6 each, 15/- per dozen, or £5 per 100, where not otherwise priced.

- COATES 430.**—A selected type of French prune, being larger and better quality.
- GOLDEN.**—Large, roundish oval, golden skin, slip, late.
- PRUNE d'AGEN (French).**—Medium, purple, mid-season, slip.
- ROBE DE SARGEANT.**—Medium, purple, very sweet, slip, heavy cropper, splits easily in wet; mid-season.
- SUGAR.**—Medium, purple, extra sweet, slip, good bearer, early mid-season.
- TRAGEDY.**—Large, purple, juicy and sugary, a fine table plum, early slip.

JAPANESE and HYBRID PLUMS

Propagated on Mariana Plum Stock and Peach Stocks; commence bearing 1st-4th year after planting.

1/6 each, 15/- per dozen, or £5 per 100, where not otherwise priced.

This type is very popular in localities unsuited for the profitable production of many of the European varieties. Mostly prolific and early bearers, handsome in appearance, having a flavour peculiarly their own. The tendency in some varieties to sun scald is more pronounced in humid climates. The modern varieties are a great advance on older kinds, and are now largely in favour for fresh fruit and jam making.

- ANDERSON'S EARLY.**—Cross between Japanese and Cherry Plum. Ripens same time as Cherry Plum. Flesh very firm, light red skin, good carrier.
- APPLE.**—Large deep reddish purple, very firm flesh, good bearer, mid-season.
- BALLEANA.**—Large, yellow and crimson, flesh yellow, firm, slip, prolific, late; blooms Sept. 12th.
- BEAUTY.**—Medium, heart-shaped, bright crimson, good flavor, yellow flesh, early, scalds, good bearer.
- BLOOD (Upright).**—Large, blackish, crimson, heart-shaped, flesh blood red, slip, heavy bearer, mid-season.
- BLOOD (Satsuma).**—Large, flattish, heavy bloom, flesh red, semi-cling, weeping growth, good bearer.
- BURBANK.**—Large, cherry red, lilac bloom, firm yellow flesh, great cropper, slip, requires good soil; early.
- CHALCO.**—Large, flattish, reddish purple, firm, yellow flesh, fine flavor, slip, fair bearer, mid-season.

CLIMAX.—Very large, bright crimson, good flavor, slip, sometimes shy, ripens Xmas, splits easily in wet.

CROSWELLS PROLIFIC (New).—Good size fruit covered with a lively red cheek, thick greyish-blue bloom. Flesh very pale golden-green; very firm and juicy; small stone; good flavor; good bearer. Ripens Xmas, New Year.

DELAWARE.—Blood plum of Satsuma type, but three weeks later. Very rich bloom on the skin. Remarkably prolific.

DISCOVERY.—Large, crimson, good quality, firm flesh, light red, cling, good bearer, ripe mid-December.

DORIS (also known as Fisher).—Medium, blackish purple, colors early, firm yellow flesh, slip, good bearer, good for jam, late; blooms Sept. 12th.

EARLY GEM.—Small, roundish, dark crimson, yellow flesh, good carrier, fair bearer, extra early.

EARLY JEWEL.—Medium, bright red, juicy, fine flavor, slip, uncertain bearer, yellow flesh, very early.

EARLY PURPLE.—New. 2/-.

FORMOSA.—Large, heart-shaped, yellow, red cheek; strong grower but uncertain bearer; pollinate with Santa Rosa or Wickson; early December.

JEWEL KING.—New. 2/6. Ripening early Dec., very juicy and good quality.

KELSEY. (Purple Monster).—Extra large, heart-shaped, skin greenish, turning purple, fine flavor, slip, heavy bearer, scalds easily on coast, good inland, good carrier, late; blooms Sept. 10th.

McNAMARA SEED.—Large, fine flavor, mid-season; yellow like Shiro.

MRS. BURT.—New. 2/6.

NARRABEEN.—Large, flattish, skin reddish with yellow dots, flesh yellow, juicy, sugary, small stone, good cropper, splits easily; ripens mid-January.

OCTOBER PURPLE.—Large, purple, flesh yellow, sweet, prolific, cling, mid-season; blooms Sept. 12th.

PATERSON EARLY.—Medium, bright crimson, firm yellow flesh, good bearer, ripens early December.

PATERSON LATE.—Medium, bright red, round, slip, good bearer, ripens late March; blooms Sept. 12th.

PURPLE KING.—Large, roundish, skin dark crimson, heavy bloom, flesh red, good flavor, late.

REMA.—A N.Z. seedling of extra good flavor and good size.

SANTA ROSA.—Large, oval, purplish crimson, heavy bloom, flesh light red, good cropper, ripens Xmas, upright grower, very good; blooms Sept. 9th.

SATSUMA HYBRID.—An improved cherry plum, larger, firmer and much sweeter, reddy-purple, heavy bloom, good for cooking or dessert.

SHIRO.—Medium large, amber yellow, slip, fine quality, flesh yellow, good carrier, good for home use and jam, prolific, early; blooms Sept. 12th.

SULTAN.—Large, oval, dark crimson, flesh crimson, firm, slip, prolific, scalds easily; early; blooms Sept. 12th.

WICKSON.—Very large, heart-shaped, yellow, red cheek, slip, prolific, good for home use, yellow flesh, ripens middle of Jan.; blooms Sept. 12th.

WILSON.—Medium large, roundish bright crimson, flesh yellow, grand shipper, slip, ripens last November; pollinates S. Rosa; blooms Sept. 10th.

WRIGHT'S HYBRID.—New, glorified cherry plum. 2/6.

PERSIMMONS

Propagated on Persimmon Stock; commence bearing 2nd-3rd year after planting. 2/- each, 21/- per dozen, £6 per 100, where not otherwise priced.

Will do in most soils, but thrive best in low, moist situations, the deeper and richer the better. Not suited for localities subject to severe late Spring frosts. Can be pruned hard every year as they bear on the new growth each season. Late kinds colour early, and are best left on tree till Autumn, for if picked too soon do not develop their best flavour. New plantations will do better if watered liberally the first season or two and planted deep and firm. The dried fruits are somewhere between figs and dates in flavour and quality.

DIA DIA MARU.—Large, rather flat, seedless, irregular bearer, late.

FUYUGAKI.—Oblate, medium to large, deep red skin, light flesh, non-astringent, very sweet and may be used while still hard. Seedless. Good shipper and keeper.

GAILEY.—Small, conical, good flavor, heavy bearer, dull red, flesh dark. Used for pollinating.

GORGEOUS.—Large, good quality, good bearer, good Autumn foliage.

HAYAKUME.—Very large, round, vermillion, flesh brownish, rich, late.

HAYCHEYA.—Very large, heart-shaped, vermillion, yellow flesh, fine flavor; irregular bearer, early.
KINGCOT.—Very large, roundish, yellow, prolific, mid-season.
KUROKUMO.—Large, almost round, yellow, good cropper, late.
LARGE FLAT.—Large, flattish, yellow, bears well; late.
MYOTAN.—Large, yellow, round, fine flavor, good bearer, good polliniser; late.
NITARU.—Large, square, flattish, yellowish-red, late.
OKAME.—Large, oblate, dark red, yellow flesh, fine quality, few seeds, prolific.
ORMOND.—Medium, conical, deep red, tough skin, flesh orange, meaty, good quality, very late.

TAMOPAN.—Large, rather flat, with a constriction about the middle, golden red, tough skin, seedless.
TENANASCHI (Seedless).—Large heart-shaped, yellowish red, prolific, the earliest, and one of the best.
TSUNO MARGHARI.—Good bearer, fair sized fruit, late, fine Autumn foliage.
TSURO GAKI.—Medium, long, yellow, fine flavor, seedless, mid-season.
WRIGHT'S PROLIFIC.—Medium, yellow, good quality, prolific bearer.
YEMON (Cross Bun).—Large, rather flat, yellow, flesh orange, seedless, good bearer, the best market sort, seldom affected by fruit fly, very late.

FIGS

From cuttings off bearing trees. Commence bearing 1st-3rd year after planting.

1/6 each, 15/- per dozen, or £5 per 100, where not otherwise priced.

Under suitable conditions will bear two crops a year. Thrive best in a warm, dry climate and prefer sandy, loamy soil, well drained, where roots can reach water; on black soils or clay subsoils they do well, but fruit is not so sugary. Require little pruning beyond shaping and thinning out where branches are too thick and dense and removal of suckers. Figs are easily damaged by exposure, and the roots must never be allowed to dry out, and in planting see that the roots are pruned, and the fibrous roots shortened in closely. In frostless regions fruits will often develop through the Winter and so ripen in the Spring.

BLUE PROVINCE.—Medium, blush purple, very prolific, strong grower, unusual flavor, late.
BLACK GENOA.—Very large, purplish black, flesh red, luscious, good.
BROWN TURKEY.—Large, tawny black, luscious, productive, good.

WHITE ADRIATIC.—Medium, brownish green, thin skin, prolific, fair grower.
WHITE GENOA.—Medium, greenish yellow, good bearer, moderate grower.
YELLOW ISCHIA.—Medium, greenish yellow, very sweet, prolific, the so-called "Sugar Fig."

LOQUATS

Propagated on Seedling Loquat Stock; commence bearing 2nd-4th year after planting.

2/- each, 21/- per dozen, where not otherwise priced.

Will grow in almost any soil, making a profitable, evergreen breakwind in suitable climates. The safest time to plant is late Autumn, preferably when the weather is dull or raining, as they are very sensitive to drying winds after transplanting; but, once established, are very hardy. Fruits ripen in Spring. Require little or no pruning, but, if choicest fruit is desired, it will be necessary when heavy crops have set to either thin each individual bunch down to half the number, or else cut a number of bunches out altogether. The thinning of individual bunches will give the finest quality and largest size.

CHAMPAGNE.—Large, pear-shaped, up to 2½ in. long and 1½ in. wide, flesh pale, very juicy, good cropper. 2/6.
BOASLEY'S.—Large, yellow, fleshy, reliable cropper, spreading grower, mid-season, cream flesh.
CHATSWORTH.—Very large, yellow, fleshy, good cropper, late, cream flesh.

GIGANTIC.—Very large, yellow, good bearer, strong grower; cream flesh.
HEARD'S.—Extra large, yellow, best known market sort, mid-season; cream flesh.
HUNTER.—Large, yellow, regular bearer, cream flesh.

SEWELL'S ENORMITY.—Large size, yellow, good bearer, moderate grower, late; orange flesh.

THAMES PRIZE.—Large, yellow, fleshy, good quality, good bearer, late.

MEDLARS

Propagated on Quince Stock; commence bearing 2nd-3rd year after planting.
1/6 each, 15/- per dozen, or £5 per 100, where not otherwise priced.

Thrive best where there is a cold Winter, but will grow almost anywhere; fruits should be picked when hard, and kept in a cool place to soften.

MONSTROUS (Dutch).—Large, round, brown, good bearer, fine flavour.

MULBERRIES

Propagated on Mulberry Stock; commence bearing 1st-3rd year after planting.
2/- each, 21/- per dozen, where not otherwise priced.

Will grow anywhere, but thrive best where roots can reach plenty of moisture.

BLACK ENGLISH.—Large, black, very sweet, requires a cold or hot dry climate to do well, subject to black spot on the humid coastal belt. 2/6.

PROLIFIC.—Small, black, prolific bearer, strong grower.

HICKS.—Large, glossy black, sub-acid flavor, often bearing two crops a year, the earliest, and very prolific where frosts are light. The best for the coastal belt.

QUINCES

Propagated on Quince Stock; commence bearing 2nd-4th year after planting.
1/6 each, 15/- per dozen, or £5 per 100, where not otherwise priced.

Very hardy; giving best results in moist soil and low situations, but will thrive anywhere and with little care; extremely useful for culinary, preserving and drying purposes.

BOURGEAUT.—Large, golden yellow, good quality, good bearer, late.

CHAMPION.—Large, pear-shaped, yellow, fine flavor, prolific, late.

FULLER.—Medium, yellow, prolific, fine flavor, very early.

MASTER'S.—Medium, yellow, good quality, bears well, the earliest.

MISSOURI.—Very large, yellow, mild flavor, bears well, scalds at times, early; blooms Sept. 24th.

PINEAPPLE.—Large, yellow, smooth, tender flesh, heavy bearer, mid-season.

PORTUGAL.—Large, deep yellow, heavy bearer, one of the best, splits easily in rain, late; blooms Sept. 24th.

REA'S.—Large, roundish, yellow, fine quality, mid-season; blooms Sept. 17th.

SMYRNA.—Large, yellow, tender, prolific, mid-season.

VAN DIEMAN.—Med., yellow, smooth, fine flavor, mid-season.

OLIVES

Propagated on Olive Stock; commence bearing 5th-7th year after planting.
2/6 each, 27/- per dozen, where not otherwise priced.

Will thrive in any soil and a payable proposition on poorer soils. Fairly hardy, evergreen, making fine breakwinds and tall hedges. Thrive with a minimum of care and water, chiefly used for making oil, pickling and canning. For full guidance see Bulletin 82, by the Department of Agriculture, Sydney.

ASCOLANO.—Very large, oblong, bluish black, highly flavored when ripe, early bearer, pickling, fair bearer, fruit tender, mid-season.

BLACK ITALIAN.—Large, fine flavor; pickling.

CORREGGOLIA.—Crops heavily; oil; suited best for irrigation conditions.

HARDY'S MAMMOTH.—Large, good flavor, dark, oval-shaped, irregular bearer; canning; pickling; oil.

LARGE FRUITED.—Large, good quality.

LUCCA.—Medium, heavy bearer; high percentage of oil.

MACROCARPA.—Medium, fruit good quality for pickling.

MANZANILLO.—Large, roundish-oval, dark purple, good bearer, fruit tender; for green and ripe pickles; ripens mid-April.

MISSION.—Medium, oblong, jet black, prolific, flavor good, green and ripe; pickles; oil; late.

NEVADILLO BLANCO.—Large, oval, shining black; pickling; oil; easily injured by cold.

PICHOLINE.—Small, oval-shape, bluish-black, prolific; only for oil.

PIGALE.—Medium, fine flavor, good bearer; oil only.

PLEURER.—Medium, uneven ripening, suited for irrigation conditions; oil only.

SEVILLANO.—Large, good bearer, ripens early; makes fine pickles.

VERDALE.—Medium, good bearer; for oil and pickling.

COMMON OLIVE.—For hedges only. Plant 2ft. apart; 15/- per doz.

NUTS

Under this heading we have grouped various kinds of nut-bearing trees suitable for different climates. Most nut trees thrive best in deep, free soils, and we would specially emphasise the need for waterings during the two seasons immediately after planting, thus assisting them until the roots get well down into the subsoil. A profitable crop if grown on suitable soils and climates, for at present the markets are under-equipped with local nuts.

ALMONDS

Propagated on Seedling Peach Stock; commence bearing 3rd-4th year after planting. 1/6 each, 15/- per dozen, or £5 per 100, where not otherwise priced.

CHELLASTON.—Medium vigour; produces heavy crops consistently under favourable conditions. Nut medium size, plump, soft shell; kernel dark colored, short plump; early. Blossoming: end July-early August. Pollinators: Early Papershell, Riverside Peerless.

EARLY JORDAN.—Large, paper shell, early flowerer, upright growth.

EARLY PAPERSHELL.—Vigorous, consistently yields good crops. Nut medium size, smooth, soft shell. Kernel medium large, flat, broad; for dessert use. Early. Blossoming: end July-early August. Pollinators: Chellaston, Riverside Peerless.

GOLDEN STATE.—Large, soft shell, smooth kernel, regular bearer, flowers Aug. 26th.

HATCH'S.—Vigorous; nut medium size, papershell; kernel large, plump. One of the best varieties. Late. Blossoming: mid. to late August. Pollinators: Ne Plus Ultra, Johnson's Prolific, Riverside Peerless, White Nonpareil.

I.X.L.—Vigorous. Yields good under ideal conditions. Nut medium size, plump, firm paper shell. Kernel large, broad, mod. plump. Mid-season. Blossoming: August. Pollinators: Riverside Peerless, Ne Plus Ultra, Johnson's Prolific, White Nonpareil.

JOHNSON'S PROLIFIC.—Vigorous, upright. Yields consistently. Nut large, soft-shell. Kernel large, broad.

flat. Mid-season. Blossoming: August. Pollinating: I.X.L., Riverside Peerless.

LARGE PAPERSHELL.—Soft shell variety—not paper shell. Pollinates with Chellaston, Early Papershell and Riverside Peerless.

LEWELLING.—Medium, soft shell, best cropper in coastal belt; flowers Aug. 18th.

NE PLUS ULTRA.—Vigorous, spreading, yields good crops; rather exacting in soil and moisture requirements. Nut large, firm paper shell; kernel medium to large, narrow, mod. plump. Will not withstand extreme dryness or excessive moisture. Mid-season to late. Blossoming: August. Pollinators: I.X.L., Hatch's.

PAPER SHELL.—Large, paper shell, good bearer; flowers Aug. 12th.

RIVERSIDE PEERLESS.—Medium, vigour, somewhat drooping and spreading. Produces reasonable crops. Nut medium size, soft shell. Kernel medium size, flat. Early to mid-season. Pollinators: I.X.L., Riverside Peerless.

WHITE NONPAREIL.—Tree vigorous, spreading. Nut medium to large; long and narrow. Very light colour, soft shell. Kernel medium size and plumpness, and dark in colour. Blossoming: mid season-August. Johnson's Prolific and Riverside Peerless pollinators.

CHESTNUTS

Commence bearing 3rd to 8th year after planting.

2/3 each, 24/- per dozen.

These nut-bearing trees are most suitable for cold climates.

SPANISH (*Castanea vesca*) (Sweet Chestnut).—A fine shade tree, attains a great age and enormous size, starts bearing 6-8 years after planting.

FILBERTS (Hazelnuts)

Commence bearing 4th-6th year after planting.

2/- each, 21/- per dozen.

A small deciduous nut-bearing tree, usually growing about 10ft. to 15ft. in height. Only suitable for cool, moist climates with a good even Summer rainfall to develop and mature the nuts to advantage. Trees grow well in warm climates, but rarely produce any nuts. We recommend the planting of these as mixed as possible, as interpollination is an important factor where payable crops are to be secured. Nuts brownish, and kernels plump, good quality, fine flavour, medium size. Mostly called "Barcelona" nuts in shops.

DAVIANA.—Large, roundish-oblong, excellent quality, good for pollinating.

DU PROVENCE.—Large, fair bearer, good flavor.

FRUCTU ALBA.—Medium, good flavor, white, late.

RED SKIN.—Large, excellent flavor, red skin.

WEBB'S EXHIBITION.—Large, good flavor.

WHITE SKIN.—Large, excellent flavor, white skin.

MACADAMIAS

Commence bearing 5th-7th year after planting.

1/6 each, 16/- per dozen.

An evergreen native nut tree, with dense dark green ornamental foliage, growing about 20 to 30ft. high, bearing good crops of round, extremely hard-shelled nuts about one inch in diameter, of first-class flavour, with a white kernel rich in oil. Usually sold in shops as Queensland, Scrub, Popple, or Bauple nuts. When transplanting these, always shade thoroughly from sun until they begin to grow, or they will wither, and often gradually die. Seem to thrive best in the coastal belts with fairly high humidity.

MACADAMIA INTEGRIFOLIA. —

Glossy green smooth leaf, few serrations, prolific, and bears more or less all the year round, very rich quality, shell medium thick.

MACADAMIA TERNIFOLIA (Greer's

Thin Shell).—A thinner shell than others, good bearer, round nut, seedlings only.

PECANS

Propagated on Pecan Stock; commence bearing 4th-6th year after planting.

Grafted Plants, 7/6 each, where not otherwise priced.

Deciduous trees of the Walnut family living and bearing to a great age and suitable for warm and cold climates, and when we read of individual plantations of up to 5000 acres in Texas, U.S.A., we think it should be well worth trying in any part of Australia with a reasonable rainfall. Does best in deep, rich soil with ample moisture. Make good shade and shelter trees. Prices may seem high, but in proportion to the difficulty in propagating we feel that they cannot as yet be handled at a lower price, and as they are planted 40ft. to 60ft. apart, the cost per acre is no more than other plantations. Being a very deep rooter, we advise planting the tap-root to the full depth and packing the soil around the roots as firm as you possibly can.

BURKETT.—Medium size, fills well, good flavour and prolific.

CASPIANA.—Nut large, strong grower.

FROTSCHER.—Large, thin shell, good quality; kernel fairly plump; vigorous grower.

HALBERT.—Young trees are inclined to be crooked, but get straighter as the tree grows older. Very early and prolific bearer. Medium size nut, very thin shell; excellent flavor.

MOORE.—Very fast growing tree. Medium sized nuts, thin shell, good flavor, very productive and early to mature.

MONEY MAKER.—Size medium, kernel plump, flavor sweet, very prolific.

OKLAHOMA.—Large nut with shape much like Stuart. Thin shell, heavy producer. Tree is rugged with drooping or willowy branches.

PABST.—Large, oblong, shell medium-thick; kernel plump, high quality, good flavor; prolific bearer.

SCHLEY.—Large, thin shell, fills and shells out well, fine flavor. Rapid grower, beautiful foliage. Good quality.

STUART.—Large, oblong, shell thick, kernel plump, flavor good; vigorous grower, prolific; ripens early.

SUCCESS.—Large, ovate; kernel plump and bright, shell thin, rich, pleasant flavor, early and prolific bearer, vigorous.

TEXAS PROLIFIC.—Large nut, medium thick shell, plump kernel, rich and sweet, heavy producer.

VAN DIEMAN.—Large, long, smooth, shell medium thick, kernel bright, high quality, excellent flavor, vigorous.

WESTERN SCHLEY.—Like Schley, but thrives better in the drier climate and higher altitudes.

WILLIAMSON.—Large, oblong, plump, well-filled nuts with thin shell. This is expected to become very popular.

SEEDLINGS.—From selected nuts; size, bearing, etc., too variable for commercial planting. Good for shelter or breakwind purposes. 2/- each., 21/- per dozen.

WALNUT

Commence bearing 5th-8th year after planting.

2/3 each, 24/- per dozen, where not otherwise priced.

A fairly quick-growing deciduous tree, suitable for cool, moist climates, having a fairly even Summer rainfall, under which conditions they usually bear good crops of nuts, but, if planted where too dry, nuts often fall off before being properly developed.

ENGLISH (Juglans Regia).—Large, common, well known.

FRANQUETTE.—Large, very full nut, bears earlier than English. 2/6.

WILSON'S WONDER.—Very large in size and bears very early. A nut of high quality. Budded trees, 7/6 ea.

ACTINIDIA CHINENSIS (Chinese Gooseberry)

Propagated on Actinidia Stock; commence bearing 3rd-4th year after planting.

Price, 7/6 per pair, except where otherwise priced.

A fast-growing deciduous climber with large, handsome foliage, the young growths being covered with reddish hairs. Flowers during November and December and the fruits ripen in the Winter and will keep for at least three months. The camel brown skin is very thin and tough and as the fruit starts to wrinkle and soften it is fit to eat. The size is about 1½ in. long by 1½ in. thick. The flesh is a deep green color with minute seeds, having a fine gooseberry-like flavor. They are beautiful for Fruit Salads or eaten fresh, and also make delicious jams. Thrive best if planted against a building or wall where they may make rank growth, and if the position is a little damp, so much the better. As the male and female flowers are carried on different plants, it is necessary in order to secure bearing that grafted plants of each sex be planted, otherwise seedlings may prove to be all the one sex, which will make pollination impossible.

FEMALE.—This one carries the fruits when pollinated.

MALE.—This is required to pollinate to secure fruits.

SEEDLINGS.—Make a strong deciduous covering when required, but cannot say whether they will bear or not. In pots, 2/- each.

BANANAS

Commence bearing 18 to 24 months after planting.

Suckers, 1/6 each, 15/- per dozen, where not otherwise priced.

Sub-tropical. Thrive best in warm climates free from frost, on deep, well-drained soils, with abundant moisture, but will do in many sheltered positions where frosts are only light, or protection given when necessary, and are best planted during September and October. Once a sucker has borne it should be cut down, as it will not bear again. Plant 10ft. apart in rows, and rows 10 to 12ft. apart, and suckers should be planted from 10 to 20 inches deep; the heavier the soil the more shallow the planting. See booklets issued by the Department of Agriculture, Sydney.

CAVENDISH.—Large, yellow, tender to frost, good bearer, dwarf grower.

PLANTAIN.—Large, yellow, tall grower, stands cold fairly well.

RAJAH.—Large, green, good flavor, resists cold fairly well.

SUGAR.—Small, yellow, sweet, stands cold well, fair bearer.

WILLIAM'S HYBRID.—Recognised as one of the best varieties of bananas to grow. Strong and tall growing. 2/-.

FEIJOAS (Pineapple Guava)

Propagated on Feijoa Stock; commence bearing 2nd-3rd year after planting.

Price, 3/- each, where not otherwise priced.

An attractive evergreen, growing about 10ft. to 15ft. high, of fine ornamental appearance, which can be pruned to a compact shape or hedge and, being extremely hardy, can be grown almost anywhere in New South Wales. The foliage is a combination of glossy green and silvery gray, while the showy flowers are whitish purple with red stamens. Fruit ripens in April and May, and usually fall on the ground, and should then be stored until soft. The flesh is a clear translucent color, with minute seeds, having a delicate flavor all its own, giving out a strong penetrating aroma when ripe. Good as a fresh fruit or for jellies, jam, etc. Planting two varieties for pollination purposes is recommended.

CHOICEANA.—Fruit oblong, about 3in. long, $2\frac{1}{4}$ thick, rich flavor, good bearer; skin greenish; the best, but requires pollination.

COOLIDGEII.—Medium, pear-shaped, flavor good, excellent bearer, self-fertile, and should not require pollination.

SUPERBA.—Large, oval, or apple-shaped, rich flavor, greenish skin, fair bearer.

SEEDLINGS.—Suitable for ornamental plantings or hedges, often bear crops of good fruit, but there is no certainty as to size crop, or quality; in pots, 2/-.

CHERIMOYA (or Custard Apple)

Propagated on Cherimoya Stock; commence bearing 4th-6th year after planting.

5/- each, where not otherwise priced.

A semi-deciduous tree growing about 20ft. to 30ft. high. Should not be planted where the temperature goes low. Does best in deep, friable loam with good natural drainage and fair rainfall. Plant 20ft. to 30ft. apart, care being taken not to plant too deeply, and the safest months to plant are during August and September, as that is the period when they are most dormant. Pruning should be done in September or when leaves show signs of dropping. Large fruit, greenish color, with many small rough protuberance on the skin. Flesh of custard-like appearance, which gives the tree its common name. Trees grow and bear well around Sydney, but in many seasons fruits fail to ripen properly. Grafted kinds are only available in August and Sept.

ISLAND.—Strong grower, early and prolific bearer, good quality, medium size, uneven in shape, some conical with rough surface, while others on the same tree are almost round with a smooth skin.

PINK'S.—Very vigorous grower, commencing to bear at the 5th-6th year. Irregular bearer; extra large; very uneven in shape, but excellent quality and

free from seeds; judicious pruning is needed and the later the trees start into growth the more likely to carry a good crop.

SEEDLINGS.—From selected fruits; not usually planted as a commercial proposition as the size, bearing and quality are too variable. These can be planted any time; in pots, 2/6.

GUAVAS

Commence bearing 3rd-4th year after planting.

In Pots. Price, 1/6 each, 15/- per dozen.

Finely flavoured fruits, either for dessert or preserving, thriving best in deep, free soils, where light frosts only prevail, excepting the Purple, which is very hardy. Plant 10 to 15 feet apart. The Purple requires little or no pruning beyond shaping and thinning of branches; but the Yellow gives best fruits if pruned hard and then thinned out.

PURPLE (Cherry or Strawberry).—Medium, purplish-red, bears two or more crops a year, good quality, makes a superfine jelly, evergreen, ornamental shrub, will grow almost anywhere, and is very hardy.

PARKER'S.—Large, creamy yellow, creamy white flesh, flavor not equal to yellow, fair bearer, semi-deciduous.

YELLOW.—Large, yellow, pink flesh, aromatic flavor, good dessert, ripe late Autumn, good bearer, very profitable in suitable localities, semi-deciduous.

JUJUBES

Propagated on Jujube Stock; commence bearing 1st-3rd year after planting.

Price, 3/-each, where not otherwise priced.

Chinese Jujubes (botanically *Ziziphus Jujuba*). A hardy deciduous tree, growing 10 to 15 feet high, thriving best in warm, dry climates, but withstands temperatures below zero, and also does well on alkaline soils. Blooms late in Spring, thus avoiding all danger from Spring frosts and is an early and prolific bearer. Fruit smooth, rich, dark brown color, about 1 to 2in. in diameter. Ripening about March. Flavor crisp, sweet and dryish. Does not bear so well near the sea coast, and prefers drier air, although not particular as to soil and care, and will respond quickly to water and manure.

LANG.—Large, pear-shaped, 1½ to 2in. long, red color, mellow flavor, prolific.

LI.—Very large, almost round, 2in. diameter, stone small, good eating and crystallising, late.

MU SHING HONG.—Medium, oblong, fair bearer, red-brown, keeps well.

SUI MEN.—Medium, long fruit, good bearer.

SEEDLINGS.—Fruits usually small and inferior to the named varieties; 2/-.

PINEAPPLES

Commence bearing 18 to 30 months after planting.

In Pots. 1/3 each, 13/- dozen.

These are more hardy than is generally supposed, and worth trying in many places along the coast and in other sheltered positions where the full force of Winter frosts is not felt. Plant 2ft. apart in rows 2ft. apart, and every seventh row is skipped to leave a path, or else plant 12 inches apart in rows 12 to 18 inches apart, with 6ft. separating each pair of rows. Do not manure with superphosphate.

CAYENNE (Smooth Leaf).—Large, deep yellow, spineless leaves, good quality, prolific bearer, one of the best.

RIPLEY QUEEN.—Large, golden yellow, good quality, heavy bearer; one of the best commercial kinds.

POMEGRANATES

Commence bearing 3rd-5th year after planting.

1/6 each, 15/- per dozen, £5 per 100.

Thrive best in good, free soils in temperate climates, growing about 10 to 15 feet high. Hardy, deciduous shrubby trees, with extra large, handsome, crimson, ornamental fruits with large, bright, scarlet, Hibiscus-like flowers. In many places the fruit is highly esteemed for its medicinal properties. Plant 10 to 15 feet apart. Require moderate pruning to produce regular crops. These are now largely used in California for crushing the juice out, which is used as a beverage.

COMMON.—Large, bright crimson, rather astringent flavor, fair bearer.

GRANADA DE REGISES.—Large, crimson, good bearer, extra sweet flavor, good.

PAPERSHELL.—Large, bright crimson, sweet flavor, thin skin, good bearer.

SWEET FRUITED.—Large, bright crimson, sweet, fair bearer.

SPANISH RUBY.—Large, bright scarlet, thin skin, sweet, fair bearer, moderate grower.

WONDERFUL.—Large, brilliant crimson, pulp rich, dark crimson, juicy, acid flavor, prolific.

YELI-SLADSKI.—Large, brilliant crimson, good bearer.

PASSION VINES

Commence bearing 9 to 24 months after planting.

Thrive best in free, loamy soils in localities fairly free from frost, and can be planted any time except during the cold Winter months. Very quick growing, bearing heavy crops of dull purplish red fruits from 9 months after planting. Largely used as a filler crop in commercial orchards to give revenue before permanent trees come into bearing. Usually bearing two crops a year, the main crop usually ripening in February-March, but by pruning away the fruiting growth in November it is possible to force fruiting laterals for the Winter crop, which is usually most profitable. Plant

10 to 12 feet apart, on trellises 10 feet apart. B. and B. and any quick manures are the best for this fruit. In colder climates they live longer, and are slower to begin bearing. See folder issued by the Department of Agriculture.

BANANA (*Tacsonia Mollissima*).—About 3 to 4 inches long, yellow, meaty, not as good flavor as purple, and better suited for salads than as fresh fruit; very suitable for covering unsightly places, as it is ornamental, rapid grower and long-lived. In pots, 1/-

each, 11/- per dozen.

PURPLE (*Passiflora Edulis*).—Large, purple, good for salads, ices, etc., and eating fresh; the best commercial kind; Island seed. In pots, 6d each, 5/- doz.; open ground, 1/- doz., 6/- per 100, 50/- per 1000.

WHITE SAPOTE (*Casimaroa Edulis*)

Propagated on Sapote Stock; commence bearing 4th-6th year after planting.

Price, 7/6 each, where not otherwise priced.

A strong growing evergreen tree of spreading habit with large, divided leaves. It thrives on any soil and is about as hardy as a Lemon, and is growing and fruiting well on our nursery at the present time. Large, flattish fruits, yellow skin with two to five seeds, creamy-colored flesh with a delicate flavor, sometimes sweet and sometimes acid, and is said to be good for digestive troubles. We think this is worthy of a trial for home gardens, but we believe that the fruit is too soft for commercial planting except where marketed from local sources.

CHAPMAN.—Large, roundish, pointed fruits; yellowish skin, sweet melting flesh, good bearer, upright grower.

COLLINS.—Large, long shape, yellowish, good flavor, melting flesh, almost seedless, upright grower.

MAETCHLEN.—Large, yellowish, good flavor, fair bearer, upright grower.

SEEDLINGS.—From selected fruits. Size of fruits and flavor variable and will probably take 6 to 8 years to commence bearing. In pots, 2/6 each.

RHUBARBS

Commence cutting 6 to 9 months after planting.

Will thrive almost anywhere. For best results, ample supplies of moisture and either very rich land or liberal manurings are required, but the plant is apt to decay in a position where the water is too stagnant. Plant during May to August, and set 2ft. to 4ft. apart in rows 3ft. to 6ft. apart; and in planting, see that the top or crown is about $\frac{1}{2}$ in. below the surface level and keep the ground moistened for the first two months after planting to prevent the plants from drying out. If kept regularly watered almost perpetual bearing. Manurings should not be done until they start to grow and then not closer than 4in. from the plant.

COMMON.—Large stalks, rich crimson, hardy and prolific.

TOPP'S WINTER.—Medium stalks, rich crimson, fine quality. Winter grower.

ASPARAGUS

Commence cutting 2 to 3 years after planting.

Price, 1/6 per dozen, 10/- per 100.

The earliest vegetable, and once established the beds should last for 20 to 30 years if properly cultivated and kept regularly manured. See that the soil is well drained—naturally or otherwise—then work it up to trench it 2ft. to 3ft. deep, and make it very rich with any well-rotted manures, litter, leaves, etc. Plant in a deep furrow or trench 9in. to 12in. apart, making the rows 3ft. to 5ft. apart. When the plants have been set cover the crown about 2in. and then, as they grow, work more fine soil in until the trench or furrow is filled. This gets the crowns down deep so that they will not be injured when cutting. After cutting is finished the plants should be allowed to grow at will to recuperate ready for the next season. Give liberal dressings of manure every Autumn. Do not cut for use until the second season.

CONOVERS.—Large, tender, fine quality; canning and general market purposes.

PALMETTO.—Large, tender, good grower, early.

GRAPE VINES

Commence bearing 1st-2nd year after planting. Cuttings Own Rooted.

Price, 9d each; 8/- per dozen, plus freight; £2/10/- per 100, where not otherwise priced.

Before planting all vines should have the roots cut back to 3-6 inches from cutting and all broken and bruised roots removed. The top of the vine should be pruned back to the strongest cane, and left so that it has 2 or 3 good strong buds.

European vines to stake should be planted 6 to 8 feet each way, depending on richness of soil; but for trellis and American sorts plant 10 to 12ft. between the plants and 8ft. between the rows. Prune back to 2 or 3 eyes each year.

Under the latest regulations issued by the Dept. of Agriculture, grape vines grown in, or received into, the Counties of Cumberland and Camden, are prohibited from being sent outside that area. However, we have made arrangements for a grower outside this area to supply all our orders for grape vines, which will be despatched direct to our clients throughout N.S.W. only. See Booklet No. 140 issued by the Department of Agriculture.

(Those marked with a star are first-class wine grapes.)

The following kinds only are available:—

- *ALICANTE BOUCHET. — Commercial port wine variety, with beautiful red foliage in Autumn.
- BAXTER'S SHERRY.—Amber, yellow, heavy bearer, large, late.
- BLACK HAMBRO.—Large berries and bunch, black, good bearer; the best for coastal districts.
- BLACK PRINCE.—Black, large berries, good for table, late, vigorous.
- *BLACK SHIRAZ.—Makes the best port wine, the true Persian Shiraz.
- BLUE IMPERIAL (Oulliade or Cinsaut). —Medium, blue-black berry, very sweet; early.
- CORNICHON (Purple or Black—Black Lady's Finger).—Black, large berry, pointed, very late, fleshy.
- DARIA (Ohanez).—White, large berry and bunch, very fleshy, very late; will ship to London
- DORADILLO (Morillon).—White, large bunches, prolific bearer, good table, makes good brandy; late.
- *FRONTIGNAC (Brown Muscat).—Medium, good eating, makes a fine wine.
- GOLDEN CHASSELASS.—Medium, amber yellow, good bearer; early.
- *GORDO BLANCO.—One of the richest and best flavored white muscats, good bearer, large berries, very sweet.
- *GREENACHE.—Blue, heavy bearer, port wine variety.
- GROS COLMAN.—Large, black berry, large bunches, prolific bearer, strong grower.
- ISABELLA (Black American).—Berries

- and bunches medium, strong, foxy flavor, slipskin, very vigorous grower; makes a good jam.
- LADY'S FINGER.—Pinkish white berries, large bunches, fleshy, late.
- MENAVACCA.—Black, very sweet, good eating, good bearer, late.
- MUSCAT HAMBRO (Snow's Black Muscat).—Berries large, bunches long and loosely set, black, fine flavor, good bearer, the best Muscat, does well on coast; mid-season.
- MUSCAT OF ALEXANDRIA (White Muscatel).—Berries large, amber color, fine flavor, subject to black spot near coast; good bearer.
- *PEDRO (Spanish Pedro).—White, heavy bearer, makes a first-class light wine.
- RED PRINCE.—Large berries and bunches, red, sweet, good, showy, late.
- RED ALICANTE.—Large, sweet, good bearer, red, nice table grape, late.
- SULTANA.—Medium, white, sweet, seedless, good bearer; the Sultana of commerce.
- *WHITE SHIRAZ (Uni Blanc).—White, heavy bearer, makes a good white wine.
- WALTHAM CROSS (Rosaki).—Large, amber, good table grape, good bearer, fine flavor, also makes a good raisin.
- WORTHY HALL.—Large, black, nice table grape, good bearer; late.
- ZANTE.—Small berries, black, seedless, the Currant of Commerce; good bearer when cinctured; the strongest grower of all; makes a good screen in hot, dry climates.

CURRANTS

Commence bearing 1st-3rd year after planting.

Price, 9d each, 8/- dozen.

Only crop well where there is cold Winter and moist climate. See Gooseberries. Plant 2-4 feet apart in rows 5 to 8ft. apart, and cut back each year. Can supply varieties in Black, Red or White.

GOOSEBERRIES

Commence bearing 2nd-3rd year after planting.

Price, 9d each, 8/- dozen.

Two factors limit the growing of these—the heat of Summer and lack of moisture. Gooseberries and Currants are natives of cool, moist climates, and are easily injured by too long and too hot Summers, although they are very hardy and withstand low Winter temperatures without injury, but require regular rainfall during Summer months. Good crops only where there is a cold Winter and moist climate. Plant 3 to 6 feet apart in rows 6 to 10 feet apart, and if extra large fruit is required cut hard back each Winter. Can supply varieties in Red, White, Yellow and Green.

LOGANBERRIES

Commence bearing 1st-2nd year after planting.

Price, 1/- each, 11/- per dozen.

The most suitable of the berries for our climate ripening during November and December; fast growing, thrive best where soil is rich and moisture abundant, but with reasonable attention will thrive anywhere. Being a raspberry Hybrid, the most appropriate treatment seems to be to train young runners every year, and to cut away old growth that has finished fruiting. Being early flowerers, they are liable to frost injury, and fruits are easily affected by sunscald and high winds. Plant 6 feet apart on square system, or on rich soils plant 6-8 feet apart in rows 8ft. wide.

BLACK FRUITED.—Large, long, jet black, blackberry flavor, prolific, thorny, sweet, vigorous, hardy.

RED FRUITED.—Vigorous, hardy, prolific, spiny growth, long, large fruits, dull dark red; sub-acid raspberry flavor, good quality.

RASPBERRIES

Commence bearing 1st-2nd year after planting.

Price, 6d each, 5/- dozen.

Require a moist location and cold climate with regular Summer rainfall to do really well, but will give fair results in districts not specially suited if well watered during the Summer. Plant 2 to 5 feet apart, in rows 5 to 8 feet apart, and cut canes out when they have finished fruiting. Can supply varieties in Red and Yellow.

STRAWBERRIES

Commence bearing 5th-9th month after planting.

Price, 1/- dozen, 5/- 100, where not otherwise priced.

The most suitable soil is a deep, rich, free loam, or even stiff soil deeply dug and heavily manured, which should be mulched and well watered to give a continuation of crops. From those planted in April and May a crop can be secured the following Spring. Do not plant the crown below the ground level and plant in rows 2 to 4 feet apart, and 12 inches apart in the rows, cutting off all runners as they appear until second year. See Bulletin issued by the Department of Agriculture.

CRESWELL.—Large, irregular, conical shape, crimson-red, fair flavor, firm flesh, heavy cropper; best coastal variety.

FENDALCINO.—Large, seeds large, dark red, flavor good, firm texture, requires pollination, earlier than Creswell, vig.

ILLAWARRA.—Very large, red, good bearer, strong grower.

KING EDWARD VII.—Vermilion colored berries; a good cropper.

MASON'S IMMENSE.—Locally raised variety, gives promise as an early polleniser for Fendalcino around the County of Cumberland.

MELBA.—Large, good flavor, crimson.

PORT MACQUARIE.—Large, conical, dark red, flavor good, firm flesh, vig. grower, earlier than Creswell; uncertain bearer.

RHODES SPECIAL.—Large, long, conical, yellow-pinkish, soft flesh, good bearer; good for home use.

YOUNGBERRY

Commence bearing 1st-2nd year after planting.

Price, 1/6 each, 18/- per dozen.

A cross between Phenomenal Berry and Dew Berry. Vigorous grower, trailing

habit of growth, bears heavily, large berry, dark red color, juicy, and sweet when ripe. Borne over a period of 2 months and ripens same time as Loganberry, but considered to be far superior to it in California. Few small soft seeds, tender core, good shipper. Considered in U.S.A. as the best new Berry developed in recent years. Plant same distance apart as Loganberries; has fruited here and appears to be very promising

MISCELLANEOUS FRUITS, Etc.

BRAZILIAN CHERRY (*Eugenia Uniflora*)—Small fruit, red; 2/-.

CHINESE RAISIN (*Hovenia Dulcis*).—Small peculiar fruits, very sweet, rather ornamental deciduous tree; 2/-.

DAVIDSONIA PRURIENS (E. 15).—Large, plum-like purple fruits, flesh purple, sub-acid, few seeds; 2/-.

MANGO (*Mangifera Indica*).—Large, greenish yellow fruits, seedlings from selected fruits; should only be planted in protected, frostless districts; 2/6.

MONSTERA DELICIOSA.—Slow growing, semi-tropical climber, with large, long, conical-shaped fruits and extra large handsome foliage; good flavor; 2/6.

MOUNTAIN PAPAYA (*Carica Candamarcensis*).—A native of Columbian mountains, growing up to about 8000 ft. Resembles the tropical Paw Paw in

general appearance and habit, but only grows 8ft. to 10ft. high and fruits are only about 4in. in length, having a sweetish, acidulous, perfumed taste. Good for digestive troubles, and ripens over a long period. It withstands 4 deg. of frost without serious injury; 4/- each.

PAW PAWS (*Carica Papaya*).—Large, greenish, melon-like yellow fruits, fine luscious flavor, rapid grower, very large leaves in a bunch across at the top of the trunk; requires warm, sunny, extra well-drained location, with ample water and fertiliser; best suited for coastal, semi-tropical, or sheltered frostless locations; at least 4 plants should be planted to ensure pollination; 2/-.

TREE TOMATO (*Cephomandra Batacea*).—Fruit about size of an egg, brownish-red, peculiar flavor, keeps well; 1/9.

CITRUS FRUITS

STOCK.—No defined hard and fast rules can be laid down about which is the best Stock, as no definite data is available.

LEMON STOCK (*Citronelle*) is undoubtedly the best for stiff subsoils, poorish lands, and quickest results, having very vigorous healthy growth, and less care required for good returns. Often considered short-lived, due, largely, to the class of soils they are planted on, but it is the only Stock that has lived and thrived under all sorts of conditions, and nearly every variety has proved successful on this stock. About 90 per cent. of citrus plantings are on this stock.

ORANGE (Sweet).—Stocks are deeper rooting, and for loamy subsoil, or where roots can go down deeply, may be successfully used. On this stock trees grow slower the first few years, but if soil suits them they mostly recover later on; resists salinity in soil better than Lemon Stock.

TRIFOLIATA is deciduous and the hardiest stock used for Citrus at present. Has a strong dwarfing tendency, but varieties on this stock are more resistant to frost, and the fruits are generally finer skinned and seem to retain their juiciness longer on it. Apparently only suitable for deep, free, moist soils. Emperor Mandarins do not appear to dwarf on it, and it is undoubtedly the best stock for Oonshii.

SOUR ORANGE OR SEVILLE is sometimes used for silt soils, and is generally accepted as resisting more water, salt and foot rot than Orange or Lemon Stock; producing thin-skinned fruit of fine quality which hangs well. Lemons do well on this stock. Worthless for light, dry, sandy soils.

SOILS.—Although citrus grows in many kinds of soil, deep, rich, free, well-drained soils give the best returns, and orchards on this class of soil are usually long-lived. Freedom from severe frost and high winds is also necessary for best results. Avoid soils and positions where moisture does not drain away readily, and frosts fall heavily.

TIME TO PLANT.—We have frequent inquiries as to when is the best time to plant, and we would point out that citrus trees can be planted whenever the weather

conditions are favorable. The best time for Autumn planting is February, March and if weather is moist, early in April may do; but if weather is moist enough, the earlier planted the better, as cold weather is unsuitable, particularly in heavy soil or frosty places. August and September—or later, if moist enough—are best for Spring planting, the exact date depending on your locality and weather conditions.

PLANTING DISTANCES.—No specified distance can be given, as the proper spacing depends upon the soil, the stocks on which the variety is propagated, and the growth of the variety to be planted; but usually 20 to 25 feet apart is sufficient.

PLANTING.—Evergreens at planting time need more careful treatment than deciduous trees, and if holes are ready first wash off all puddle or any other matter on the roots. Then start by rolling a wet bag around trees so that the roots are not exposed more than necessary. Carry a bucket of water and dip the roots of each tree just prior to placing it in position. Try and distribute the roots as evenly as possible. Shake in finest loose soil available. The roots higher up should be lifted out and embedded higher up and all roots spread outwards; when three parts filled press soil firmly, and if soil is dry water liberally before filling. We prefer in mild weather to leave the trees unpruned, but if weather is dry and high winds prevail, it is best to cut back, and in extreme dry weather cut all the leaves off too, and then protect the stem as a further precaution. If by chance trees arrive dry, cut all the leaves off before planting, for as long as wood remains green and sound, the trees are alive and well and should transplant successfully, provided that the necessary protection from sun and wind is given.

WATERING.—Repeat watering if weather makes it necessary; hollow out the soil around the stem to allow the water to be received into a basin, and when all the water has sunk away, and not till then, return the dry soil to the stem. Do not wait to do this until the leaves are withering, the stem shrivelling and going brown, and then perhaps blame the nurseryman. Citrus are often given up as dead when perfectly good, for until the tree becomes dried up and brown to the bud it is not dead.

PROTECTION.—In exposed positions or in dry periods it is best to tie loosely around the stem of each tree as a protection from sun and wind—grass, straw, reeds, newspaper, or bagging will do. Allow covering to remain on until the tree has started growing. In continued adverse weather when leaves remain curled, it is necessary to cut leaves off to relieve the drainage of sap from the tree. Leaves falling spontaneously is generally a good sign.

MULCHING is very beneficial to citrus trees as it maintains moisture in the soil. Hay, straw, grass, bushes, reeds, or any litter will serve the purpose.

MANURING.—Any good farmyard manure is beneficial, or any fertiliser containing large amounts of organic matter give best results. Under this heading cover-crops should be planted. Re-soiling is also very effective. Never place manure in contact with roots of newly planted trees.

FAILURES.—It sometimes happens that some trees have died off or refused to grow, and we are asked to replace free such failures. We regret that it is impossible to comply with such a request, for we have no control over the trees once they leave the nursery. When trees arrive in good condition it is possible to plant and get them established with little loss, provided they are given the care and attention necessary and that the weather conditions are fairly favorable. Unfortunately planting is sometimes followed by severe frosts, drought, or scorching winds, and some of the trees succumb. In the majority of cases the loss is through no fault of ours and is often an inevitable result of adverse circumstances.

WIND-BREAKS.—These are most necessary, and have a very important bearing upon production, for wind causes a large percentage of the crops to fall off, scars the fruit, causes quicker decay, and sometimes defoliates the trees.

PRUNING.—Citrus trees in their early years require little or no pruning beyond occasionally shortening shoots of excessive long growth or any undesirable branches that would, if unchecked, tend to make the tree lopsided. Bearing trees in good condition require little pruning, and the removal of all dead, decayed and injured wood; for if left provides a host for fungus diseases.

THIN-SKINNED FRUIT.—We are often asked to supply only thin-skinned varieties, but this is entirely a matter of soil, climate, and manure, as the same variety planted in different soils is likely to be very different in the skin, and on black soils and all stiff clay subsoil the skin is much thicker than that grown on a light sandy loam. Heavy nitrogen manuring also puts thick skin on, but this corrects itself as

the nitrogen is being exhausted. Young, vigorous growing trees also have thicker skinned fruit than older trees, for citrus fruits do not come to perfection the first years of bearing.

CO-OPERATIVE BUD SELECTION SOCIETY LIMITED IDEALS AND ACTIVITIES

For some years it has been recognised that in most orchards there are trees that rarely produce sufficient fruits to be payable, whilst other trees are more constant producers of good quality and payable crops, so that with the view to enabling nurserymen to supply trees to planters of the most productive and remunerative standards, the above Society was formed under the aegis of the Department of Agriculture, and consists of Representative Fruitgrowers and Nurserymen. The Society DOES NOT AND CANNOT make profits, but merely exists to improve the fruit-growing industry by making available for budding, selected buds from special trees of the best types of quality fruit and reputed good-bearing habits only.

We have, since the commencement of the Society's activities, been by far the largest buyers of its buds. We have available a nice lot of trees of Washington Navels, Late Valencias, Eureka and Lisbon Lemons, Emperor Mandarins, and Marsh Grape Fruit from buds supplied by the Bud Selection Society.

ORANGES

Propagated on Citronelle Lemon Stock, Sweet Orange and Trifoliata Stocks; commence bearing 2nd-4th year after planting.

2/- each, 18/- per doz., £6 per 100, where not otherwise priced.

LATE VALENCIAS and WASHINGTON NAVELS.—From buds supplied by the Bud Selection Society of New South Wales.

BERRI VALENCIA.—Reported to be a good strain of Valencia produced at Berri, Sth. Aust.

GOLDEN NUGGET NAVEL.—Large, pale yellow, smooth, thin skin, free from rag, seedless, weak grower. early.

GROVERLEY NAVEL.—Large, yellow, flattish, not quite seedless, crops well, early. The best Navel for poor soils.

JAFFA.—Medium, yellow, sweet, seedless, prolific, dwarf grower, early.

JOPPA.—Very large, yellow, prolific, strong grower, hangs well, mid-season.

LATE VALENCIA.—Large, yellow, skin smooth and thin, juicy, good cropper, hangs till others are gone; the best late.

LUE GIM GONG.—Large, deep orange, thin skin, rich, juicy, good flavor, hangs and holds juice well; good bearer; late.

MALTESE BLOOD.—Medium, yellow, tinted red, blood-red flesh; late in season; good bearer; dwarf grower, late.

MEDITERRANEAN.—Medium, long, orange yellow, fine flavor, good bearer, moderate grower, good keeper, late. Should only be planted in deep, rich soils.

NORRIS EARLY.—Medium, very early, seedless, early maturity, fine texture of rind, good bearer; 2/-.

PAPERIND ST. MICHAEL.—Medium, yellow, thin skin, good bearer, late.

PARRAMATTA.—Large, yellow, sweet and juicy, prolific, strong grower, mid-season, good on poorish soils.

PINEAPPLE.—Medium-large, thin, tough skin, juicy, high color, fairly seedy, good shipper, fine dessert quality, prolific, mid-season, variable in shape, distinctive flavor; 2/-.

RUBY BLOOD.—Medium and sweet, juicy. skin reddish yellow, red flesh; prolific.

THOMPSON'S NAVEL.—Large, yellow, fine shiny skin, must be marketed early.

WASHINGTON NAVEL.—Very large, yellow, superfine quality; on shallow soils, a shy cropper; should only be planted on deep, rich, well-drained, preferably sandy loam or volcanic soil; early.

WHITE SILETTA.—Large, pale yellow, smooth skin, good cropper; very early.

MANDARINS

Propagated on Citronelle Lemon Stock, Sweet Orange and Trifoliata Stocks; commence bearing 3rd-4th year after planting.

2/- each, 18/- per doz., £6 per 100, where not otherwise priced.

EMPEROR MANDARINS.—From buds supplied by the Bud Selection Society of N.S.W.

BEAUTY OF GLEN RETREAT.—Large, deep yellow, thin skinned, rather tart here, heavy cropper, mid-season.

CLEMENTINE (Thanksgiving Orange).—A hybrid intermediate between an orange and a mandarin. Very hardy, matures early and has a delicate spicy flavor entirely different from any other citrus fruit.

EARLY IMPERIAL.—Medium, yellow, sweet, thin skin, medium grower, requires rich soil, early; ripens April.

ELLEDALE BEAUTY.—Very large, yellow, flattish, good quality, very smooth and showy, hangs well, late.

EMPEROR.—Very large, yellow, regular bearer, mid-season, the leading commercial variety in N.S.W.

FEWTRELL'S.—Large, yellow, juicy, many seeds, sweet and prolific; early.

FAGAN'S BEAUTY.—Large, flattish, thin smooth skin, sub-acid flavor, some fruits show navel mark, good bearer, hangs well, ripens late, very like Ellendale and Ferguson's Late Emperor.

KING.—Very large, yellow, juicy, rough

skin, quality fair, seedy, hangs well prolific, requires good soil; late.

MUSCIO.—Large, yellow, flattish, very late, hangs well, juicy, good bearer, worth testing.

OONSHII (Satsuma).—Large, greenish yellow, fair quality, seedless, stands frost well, pendulous dwarf habit; very early.

PARKER'S.—Large, puffy, loose skinned, good bearer, yellow, very early.

RICHARD'S SPECIAL.—Very luxuriant growth, very prolific, fine large fruits, uniform size, flattish shape, very rich color; worth trying; 3/- each.

SCARLET.—Medium, reddish yellow, peculiar flavor, heavy bearer; early.

SOVEREIGN.—Seedling from Glen Retreat, but a much stronger grower. Fruits identical and ripens at the same time.

THORNY.—Medium, yellow, solid, flavor unsurpassed, good bearer, mid-season, Aged trees should be thinned and manured to get good sized fruit. Makes good tub specimens.

LEMONS

Propagated on Citronelle Lemon Stock, Sweet Orange, Trifoliata and Seville Stocks; commence bearing 3rd-4th year after planting.

2/- each, 18/- per doz., £6 per 100, where not otherwise priced.

EUREKA and LISBON LEMONS.—From buds supplied by the Bud Selection Society of N.S.W.

Picked when turning light in color, or big enough and stored for some time, they become more juicy and thin-skinned than if left on tree to ripen. The tree is not quite as hardy as an orange. For full guidance in storing and curing, apply Department of Agriculture.

COMMON.—Large, yellow, sweet, rough-skinned, hardy, early.

EUREKA (Sweet Rind).—Medium to large, uniform, juicy, few seeds, yellow, good quality, thornless, early bearer, not as strong grower as Lisbon, but better Summer crop; prolific; one of the best.

IDEAL.—A new lemon resembling Lisbon in growth and habit; large, yellow, good bearer.

KENNY'S PRIDE.—Fruit fine appearance, medium size, fine flavor, very vigorous growth, very heavy cropper.

KNIGHT'S.—Very fine skin, good quality. 2/-.

LISBON.—Large, yellow, juicy, superior quality, prolific, heavily foliaged but tree thorny; good shipper and keeper.

MEYER.—Large, roundish, orange color, juicy, early and prolific bearer, acid content below standard kinds, best suited for district where other kinds fail. Will stand a good deal of frost without injury.

PONDEROSA.—Very large, early and a heavy cropper. 2/6.

VILLA FRANCA.—Medium, yellow, thin-skinned, good quality, few thorns, not as vigorous as Lisbon, but profitable for its Summer crop on deep, rich soil.

CITRONS

Propagated on Citronelle Lemon Stock. Commence bearing 3rd-4th year after planting.

2/- each, 18/- per dozen.

Mainly used for making candy peel; also makes a marmalade of strong Citron flavor; can also be used 3 parts Citron to 1 of Pomelow to make a fine marmalade.

BENGAL CITRON.—Extra large, round, thick rind, pale yellow, good bearer, strong upright grower, good for preserving and peel.

CITRON OF COMMERCE.—Large, yellow, thick rough rind, lemon shape, low spreading growth, good bearer, used for candied peel.

KNIGHT'S.—Fruit large, oblong, skin rough, best for candied peel.

CITRANGEQUATS

Price, 2/6 each.

THOMASVILLE.—Another interesting citrus hybrid which is a cross between the citrange and the cumquat, producing on a vigorous upright tree large quantities of little orange-yellow fruits about 2in. in diameter, with greenish-amber flesh and an abundance of pleasantly flavored juice which makes one of the finest ades in existence. This variety is also exceedingly hardy.

CUMQUATS

Propagated on Citronelle Lemon Stock. Commence bearing 2nd-3rd year after planting.

2/- each, 18/- per dozen.

Also available on Trifoliata Stocks.

Can be eaten out of hand, skin and all, but mostly used for canning, marmalade, and crystallising. Small fruits about one inch in diameter with a flavor peculiarly its own. Dwarfish growth. Early and prolific bearer. Makes fine tub specimens for ornamental purposes.

MARUMI (Round).—Small, yellow, long shape, very prolific.

NAGAMI (Long).—Small, yellow, oblong shape, very prolific.

NIEWA.—Roundish, fruit slightly larger than Marumi.

LIMEQUATS

Propagated on Citronelle Lemon Stock. Commence bearing 2nd-3rd year after planting.

Price, 2/6 each, where not otherwise priced.

A fine small citrus fruit; a cross between the lime and cumquat; tree medium size of rapid growth, with small pointed leaves. Produces heavy crops of fruit for 5 to 6 months of the year. Unlike the lime, it is quite hardy and is not easily damaged by frost.

EUSTIS.—Medium size, light yellow, skinned, firm, very juicy, almost seedless, prolific bearer with good treatment.

LIMES

Propagated on Citronelle Lemon Stock; commence bearing 3rd-4th year after planting.

2/- each, 18/- per dozen, where not otherwise priced.

Generally grown in warm humid climates, where lemons are not successful, and generally used for the same purposes. One of the most valuable citrus fruits for beverage purposes, because of their characteristic flavor and quality.

CALAMONDIN (C. Mitis).—Small roundish, about one inch in diameter, very acid, pleasantly flavored, and good for salads, drinks, and marmalade, etc., early and extremely prolific.

PERSIAN (or Sweet).—Large, roundish, yellow, sickly sweet, very juicy, lime flavor, prolific.

EAST INDIAN.—Fruit of large size, very juicy, free grower, very prolific.

TAHITIAN.—Large, greenish-yellow, very juicy, nearly seedless; prolific, high acidity, good lime flavor. The best.

POMELOWS, GRAPE FRUITS, or SHADDOCKS

Propagated on Citronelle Lemon Stock, Sweet Orange and Trifoliata Stock; commence bearing 3rd-4th year after planting.

2/- each, 18/- per doz., £6 per 100, where not otherwise priced.

MARSH GRAPEFRUIT.—From buds supplied by the Bud Selection Society of New South Wales.

The Pomelow or, as it is incorrectly called, the Grape Fruit, is very largely grown in America. The flavor is a peculiar bitter-sweet, and said to be one of the most beneficial of all fruit juices for improving the digestion. Are now becoming popular as a breakfast appetiser. Makes an extra fine marmalade, and are being largely canned in California.

DUNCAN.—Large, quality excellent, good bearer, hardy and vigorous, late, hangs well, not seedless.

FOSTER.—Rose-pink flesh, large, good bearer, seedy, a sport from Walters.

MARSH.—Large, round, pale yellow, juicy, fine flavor, almost seedless, heavy cropper, good grower, best of all the commercial varieties; mid-season.

THOMPSON.—A sport from Marsh Seedless. Has a pink colored flesh. Good quality; holds on the tree better.

WHEENY.—Originated from Wheeney Creek. A high quality, very juicy, and texture of skin very fine.

SEVILLES (or Bitter Oranges)

Propagated on Citronelle Lemon Stock; commence bearing 3rd-4th year after planting.

2/- each, 18/- per doz., £6 per 100, where not otherwise priced.

Mainly used for marmalades of various kinds, and can be used as a grape fruit.

SEVILLE COMMON.—Large, yellow, juicy, very prolific, not seedless.

POORMAN'S.—Very large, round, yellow, very juicy, smooth skin, fair bearer, good marmalade sort, not a true Seville,

dwarfish grower, largely used in N.Z. as a grape fruit of which we have the two best selected types.

SEVILLE FLAT.—Large, round, smooth, juicy, yellow, good bearer.

TANGELOS

Propagated on Citronelle Lemon Stock; commence bearing 2nd-3rd year after planting.

Price, 2/- each, where not otherwise priced.

New citrus fruits originated by the United States Department of Agriculture in crossing the Mandarin (Tangerine) and Pomelow, retaining the best qualities of their parents. Easily grown, early and extremely prolific bearers; extra fine for juice.

SAMPSON.—Medium size, round golden colors early, but do not pick until sweet, which is usually about early Spring; early and prolific cropper.

THORNTON.—A new Tangerine-Pomelo hybrid which leans more toward the Tangerine in characteristics. It is a

good-sized fruit, deep orange in color, ripening much earlier than Sampson; fine flavor.

TINUERA.—A new hybrid between a Mandarin and Grapefruit. Said to be of excellent flavor. 2/6 each.

ROSES

UNPACKING.—Plants usually arrive in good order. Unpack in sheltered place where drying winds cannot penetrate, dip the roots in water, and then cover with a wet sack until planted. If plants should arrive dry, soak the whole plant in tepid water for 20 minutes to half-an-hour (water should be so warm that you can hold your hand in it without feeling the heat much); and, if still withered, bury plant in soil, and keep the spot wet for two or three days, then take out and plant.

SOIL.—Almost any soil will grow roses, but a deep, rich, clayey loam is the best, and the deeper it is broken up the better, and if available incorporate any animal manure at the time of preparing soil, for if applied at planting time too near the roots, the chemical action of the manure may damage the roots or set up fungus infection. Newly-broken soil is often acid or sour; but some lime worked into the ground some weeks before planting corrects the acidity. Sandy soil requires heavy and regular manuring (preferably cow) for Roses to thrive well, for the more sandy the soil the poorer the plants grow.

POSITION.—Roses can be successfully grown where the location is not too much overshadowed by large trees, or where not shaded by buildings or fences for much more than half a day. An open situation, but sheltered from strong winds is best. Too much enclosure tends to mildew and weak spindly growth. On stiff retentive soils drainage should be attended to.

PLANTING DISTANCES.—The best effect in a rose bed is often lost by indiscriminate planting of the strongest growers mixed with weak ones. Small growers should be planted in front and the strongest growers in the middle or background. For dwarf roses, four feet apart is the minimum for strongest and 2 feet sufficient for small growers. Standards should be planted 6-8 inches deep, 4ft. to 6ft. apart, according to purpose required; the closer planting gives a mass effect, and wider planting allows for specimen sizes, and in windy positions tie firmly to a stake. Climbers on a trellis should be planted 8 to 12 feet, depending on whether covering quickly is wanted or not. Pergolas should be 6 to 8 feet high, the same width, and that distance from plant to plant.

ARRANGEMENT OF PLANTS.—The earlier method of planting beds and borders of mixed varieties, as diverse in habit, etc., as possible, is giving place to planting groups of a few varieties only with harmonising colors, which gives a more effective appearance to the garden, and allows sufficient flowers of the one color to decorate a vase or room.

PLANTING.—In loose or deeply broken up soil, plant dwarf budded roses so deep that bud, i.e., junction of stock and plant, is about one or two inches below the surface of soil. Depth of planting should be largely governed by the soil; on stiff, clay bottom, plant more shallow than on sandy or loose bottom. Too shallow planting makes them liable to blow over in wet, windy weather. Too deep planting in badly drained heavy soils tends to make them water-logged in wet weather. Before planting dip the roots in a puddle made of clay or soil and water; this will protect them from drying out so easily.

Make holes wide enough to spread out the roots naturally without bending them. Give the tips of roots a downward tendency. Cut back long, straggly roots and any that have been bruised in transit. If there is a long taproot, shorten this also.

Cover roots with finest soil you have to hand, and, when covered, tread down firmly, add more soil, then tread again. Fill up with soil and tread down once more, firmer still.

Planting in wet weather or when soil is waterlogged should be avoided, and do not plant if soil sticks to the spade; leave until dry and friable.

Do not put fresh manure in contact with the bare roots, but work it well into the soil about the tips of the roots, or leave manuring until plants have started to grow. If in windy place, don't fail to protect plants from wind until well established.

After planting remove all label strings to prevent injury.

PLANTING TIME.—Roses can be planted almost any time when weather is moist; but the best time is from March to August (inclusive). The sap begins to rise about the end of July in Cumberland, and if planted then or early in August, failures in transplanting are, with reasonable care, reduced to a minimum. Those planted in

early Autumn often start before the Winter, but if not properly cared for may die back later. In cold climates either plant in March or April, or plant in August and September.

WATERING.—If soil is dry when planting, pour a bucket of water (more or less, according to the state of soil) into each hole, as half a bucket under the plant is better than two on top. Let water soak away before planting.

Avoid watering little and often after planting. If weather continues so dry that watering is necessary, make a hole close to the plant and give a good watering in the hole, and if necessary repeat at regular intervals.

Standard Roses require much more watering than bush roses when newly planted or during dry seasons.

MULCHING.—When planting in dry, windy weather, mulch with leaves, lawn clippings, grass, litter, etc., or, failing this, hill up the soil half-way up the plant, to act as a mulch; but if weather is wet, leave plant exposed from bud upwards till weather changes. Be sure and keep the surface soil loose around the plants. After heavy rain or watering the soil surface sets hard, and, if allowed to remain, may kill the plants.

MANURING.—Do not apply strong, stimulating or chemical manures to newly planted Roses; but when well established, Roses can use large quantities of manure. Fowl, pig, sheep or horse manure is best for stiff soil; cow manure for light; but any manure is better than none. B. & B. is very good, too. Farmyard manure is best applied in Winter, artificial or chemical manures in Spring, but manuring can really be done any time to established plants. When liquid manures are to be applied, if dry, give a soaking with water first. A good liming, say every 3 to 5 years, is advantageous, as it corrects acidity and liberates plant foods already in the soil, and wood ashes spread around tend to keep mildew in check.

FAILURES are sometimes reported, and may be due to too loose planting (most common cause), soil acidity, late frosts, water-logged, or too dry soil; excessive manuring at planting, in contact with roots; lack of cultivation after planting; excessive exposure of roots to the sun, wind and frosts. When the latter condition is evident, plants gradually die owing to evaporation from the exposed shoots, which are losing moisture that is not being replaced by the roots, whose activity is suspended by the low temperature. Nurserymen are often blamed for these troubles, but it must be noted that after the season is over the unsold stock is usually transplanted under most adverse conditions, and it is rarely that the losses are high.

SUCKERS.—Named kinds always show a reddish tinge in the young growths; leaves are seldom more than five to a stalk, and a good type dwarf rose always ends with a flower bud; but suckers sometimes shoot from the briar stock, and can usually be distinguished by the different colored growth, always with green or greenish-yellow leaves that are usually smaller, mostly seven to a stalk, and never produces a flower on its tip. When seen, remove soil around stem and pull suckers away with a twist, then replace the soil.

EVERBLOOMING.—The number of flowering periods can be increased by cutting the blooms with long stems, and when Spring flowering is over to get another flowering by judicious watering, and liquid manuring. This can be repeated, depending on the length of Summer and the severity of Autumn frosts in colder climates.

CUTTING BLOOMS.—This should be done early in the morning just as the buds are about to open. Cut with as long stems as possible, and also cut to a leaf pointing outwards from the centre of the plant.

PRUNING.—The object should be to select a few strong, well-ripened shoots (the number depending upon the size and age of the plant). These shoots should be short-jointed and strong, and the nearer to the ground for dwarfs the better. All the unripened wood and all weakly shoots should be cut clean away. The remainder should be cut back according to the strength of the shoots or variety; the stronger they are the longer they should be left, care being taken to cut to an eye looking outwards. A light pruning may be given after the Spring blooming, but if flowers are cut with a long stalk this will not be necessary. Climbers should have all exhausted and feeble wood removed, and where too thick, thinned out and the long leaders shortened about one-quarter or one-third and the laterals cut to 2 or 3 buds. Winter pruning should be done in Cumberland about middle to end of July and where Spring is later or earlier accordingly.

DISBUDDING.—For exhibition Roses it is generally necessary to disbud to increase the size of flowers, and this is done as soon as the lateral buds are big enough to remove without injuring the main centre bud.

PESTS.—Keeping plants healthy and in good condition will help to check diseases. Rank and weakly growths are usually first to succumb. Avoid excessiveness in anything.

NEW ROSES, 1940

The following novelties offered are, we think, the pick of the leading European and American growers, and the descriptions are the raisers', very much condensed, for at the time our Catalogue goes to print in early February, the new Roses have not had a fair chance to flower, hence we are unable to make any personal comments. However, from early April on, we may be able to give some candid opinions if desired, but actually suitability to our conditions is really apparent after 2 or 3 years' testing, for the highly colored descriptions are seldom borne out by experience, and on the average not more than 1 in 10 new varieties are cultivated five years after. Beyond keeping our stocks up to date, most importations are disappointing, and for this reason we have reduced the number.

Price, 3/6 each, 39/- per dozen, where not otherwise priced.

ANNIE DREVET (H.T.) (Mallerin).—

The high elegant bud shows the deep golden yellow back of the petals and in the open flower the inner side is a glowing deep vermilion-red, a wonderful color combination, attractive and striking. Vigorous growth and strong wood. Certificate of Merit Bagatelle-Paris.

DR. F. G. CHANDLER (H.T.) (A. Dickson and Sons).—Bright crimson scarlet of even color throughout. The bud is long and pointed and carried on long erect stems. The flower is large and fairly full with big wide petals of heavy texture, the form is really delightful with high pointed centre and beautifully reflexed outer petals, good under all conditions. It has the true old rose fragrance that is expected, but not always found in red roses. The growth and habit are excellent, the wood is not heavy but very strong, and the blooms which are produced in profusion are held perfectly upright. Few thorns and dark green healthy foliage. This rose has been rigorously tried out and has given great satisfaction in tests for hardiness. We consider it to be the best Novelty we have introduced in recent years, a truly superb rose and in our opinion the finest red to date. Dr. Chandler must, by merit, become one of the most popular varieties and deserves a prominent place in all gardens.

GRAND DUCHESSE CHARLOTTE (H.T.) (Ketten).—Flower of very distinct and unique coloring, bright tomato red, shaded with geranium red. Very large, full, beautifully formed,

and of excellent lasting qualities. Very long pointed, graceful bud, the outer petals being of chestnut color, borne singly on long erect stems. Growth bushy, vigorous and erect, the large glossy dark green foliage is resistant to all diseases and forms a pretty contrast with the attractive coloring of the flowers. Invaluable for bedding and for cut flower purposes. This variety has been highly appreciated by all who have seen it. Awarded the Grand Prix de Rome at the International Contest Rome, 1938. Also Gold Medal Saverne, 1938.

KATHLEEN KENNEDY (H.T.) (A. Dickson and Sons).—The young flower is rich salmon-carmine flushed with cherry-pink and orange; the developed bloom is a light salmon-carmine with a shading of orange. The large well formed flowers are freely produced on strong stems. Of good free growth which quickly makes a nicely balanced tree. Sweetly scented. A good reliable rose, free enough for massing and bedding, yet sufficiently large for exhibition purposes.

MADAME BOLLAERT (H.T.) (C. Chambard).—Bloom vermilion carmine shaded capucine red, very large, double, opening perfectly in all weathers. Bud long, coral-red, carried on a rigid flower stalk. Growth vigorous and bushy with beautiful large bronze foliage resistant to all diseases. A splendid variety for massing and cutting.

MADAME COUBES (F. Meilland).—Yellow salmon with an apricot centre paler towards edges of petals, passing to coral gold. Double, of perfect form,

agreeably perfumed. The lovely bud is tinted with glowing orange. The growth is erect and very strong, few thorns, furnished with bright green healthy foliage. Very free flowering at all seasons. The great qualities of this Novelty make it a rose of the first order very suitable for forcing and for the garden. It will become a favorite sort.

MAJORICA (Dot).—Geranium red flushed orange, fragrant. A beautiful shaped bud, opening to a perfect flower of intense coloring. Its bushy and free habit make it a brilliant bedding variety and the bright foliage is highly resistant to disease. The brilliant coloring of the flower together with its perfect form, will ensure the popularity of this striking Novelty.

MAMA PECHTOLD (H.T.).—Rosy salmon, very long-pointed bud and a very beautiful fully double bloom, carried on a long rigid stem furnished with bronze-green foliage. The growth is vigorous and free. A variety highly recommended for garden, cutting and forcing. Katherine Pechtold X Briarcliffe. Gold Medal, Floraleis Gantoises.

NONIN (H.T.) (Mallerin).—Bud golden yellow, beautifully formed. Flower golden yellow tinted coral, a very large full magnificent bloom carried on a long, rigid stem. Deliciously fragrant. Healthy glossy green foliage. Splendid growth and habit flowering with great freedom. A Novelty of high merit. Certificate of Merit, Bagatelle-Paris.

NUMA FEY (H.T.) (A. Richards).—A flower of extraordinary brilliancy. The centre is salmon orange, the main color is rosy salmon with pale rose edges. The satiny reflection gives it a superlative elegance. The form is absolutely perfect—its size immense. Fragrant. The rosy salmon bud is also

very lovely. The growth is vigorous, erect and well balanced, exceedingly floriferous producing quantities of its choice flowers over a long season. The foliage is large and abundant setting off the flower to advantage. An outstanding Novelty for any purpose.

PROFUSION (H.T.) (A. Dickson and Sons).—Carmine-lake with a pronounced orange-yellow base, reverse rich copery carmine. A new and pleasing color. The long pointed bud develops to a full, fairly large flower which is pleasantly fragrant. Splendid growth and ideal bedding habit, coming into flower early; it continues to bloom, as the name suggests, profusely all Summer and Autumn. We do not know of any other rose of this type which produces such quantities of flower. A tree so lovely and so easily grown will be much appreciated by the average gardener.

ROME GLORY (H.T.) (D. Aicardi).—Described as a "Red Dame Edith Helen," but with a larger flower and stronger growth. It has the same rigid habit and pronounced fragrance of the older variety. The color is a good clear red brighter in the centre. Received the Premier award at the International Trials, Rome.

VERA ALLEN (H.T.) (A. Dickson and Sons).—A choice Novelty in shades of pink and primrose in a blending of colors which is definitely distinct. Light rose shadings on a solid primrose base, with Hydrangea-pink and cream on the reverse. The bloom is large, full and beautifully built with petals of exceptional depth and size. Rich and strongly scented. Of good upright habit and excellent growth. A rose of much character and beauty, suitable for any purpose and thoroughly recommended.

NEW ROSES, 1939

Price, 2/- each, 21/- per dozen, where not otherwise priced.

AMPERE (H.T.).—A very attractive bi-colour. Capucine red inside, paler towards edges; reverse is orange-yellow, colored with carmine. The bloom is very large, double, deliciously fragrant, cup-shaped, and lasting. The bud is of good shape on a long strong stem. Growth is very vigorous with large green foliage; flowers freely; stands up to hot weather conditions well. Gold Medal, Saverne, 1937. First Certificate, Lyon, 1937.

CHARLOTTE E. VAN DEDEM (H.T.).—Yellow, sweetly scented, vigorous growth, each bloom is carried on a long strong stem. Award of Merit.

DICKSON'S BOUQUET (H.T.)—A mixture of salmon, carmine, and apricot, blended with saffron. Flower medium size, full, lasting. Excellent growth; long, wiry, upright stems; flowers profusely; sweet scent.

DICKSON'S DELIGHT (H.T.).—Vivid orange, heavily shaded scarlet orange in the bud. Pleasantly scented, moderate sized bloom. Good, free, erect growth, bronze green foliage and stems, carrying quantities of its bright blooms late into the Autumn. A striking novelty of the most brilliant orange.

DON BRADMAN (H.T.).—Coppery-rose buds; open flowers silvery-rose shading to bright rose, heavily overlaid with coppery-salmon. Very free upright habit. An excellent grower; flowers freely. This is a bedding rose of outstanding merit.

ELEGANCE (Clb. H.T.).—Large, double, china-tea scented flowers of a sparkling spectrum yellow; fully open the outer petals are cream and heart of flower is bright yellow. The blooms are carried on very stiff stems; the growth is vigorous and the dark shiny green foliage resistant to mildew and black spot.

EMILE CRAMON (H.T.).—Long bud, copper red, bloom coppery carmine shaded chrome yellow, large flower. A vigorous erect bush, large, healthy dark green foliage. Awarded Certificate Concourse of the Most Beautiful Rose of France, Lyon, 1937.

FRIENDSHIP (H.T.).—Bright strawberry red with a brilliant scarlet undertone. Moderately full; very large, solid petals, delightful form; ideal, bushy, bedding type, extremely prolific. Pronounced true old rose scent; produced in great masses.

GOLDEN QUEEN (H.T.).—Bud deep yellow lightly shaded carmine, beautiful shape, carried erect on a long stem. Flower very rich pure yellow chrome—a constant color; long, large, full; handsome form, suitable for any purpose. Growth is very vigorous; good branching habit; few thorns. Produces quantities of flower all season. A very fine Novelty. First Certificate, Bagatelle, Paris, 1937.

GOLDEN STATE (H.T.).—Golden yellow, veined carmine on exterior. There is more red in the bud which is carried on a long stiff stem. The flower is large and full, perfect form; large, solid petals, fragrant. The growth is very vigorous; reddish wood, few thorns, bronze green foliage. Suitable as a garden rose, or for cutting. Adjudged "The Most Beautiful Rose of France," 1937. Gold Medal, Bagatelle, 1937.

HOME SWEET HOME (H.T.).—Pure rich velvety pink; color lasts well, until petals drop. Under artificial light it

has a brilliance unequalled by any other rose we know. The stems are stiff; full flowers, sweet-true old Rose perfume, blooms last well, both on the tree, and when cut, perpetual-flowering; large, bold, dark-green glossy foliage, and a good constitution; suitable either as a bedder or as a cut flower. Very highly recommended.

J. H. BRUCE (H.T.).—Large blooms, shapely form, large overlapping petals which reflex attractively, and coil to a high centre; the color is a rich crimson scarlet, which glows with great intensity. Very rich fragrance. Blooms freely produced, and continue well into Autumn. Growth is very vigorous and upright, strong disease resisting foliage, first-class for garden decoration or exhibition. Gold Medal, National Rose Society.

JOAN ANDERSON (Hyb. Pol.).—A sport from Mevr Van Stratten Van Ness. Color clear pink with deep pink on reverse of petals, crimped and waved like the parent.

JULIETTE VAN BEUNINGEN (H.T.).—Bright, glowing pink, a nice flower and sweetly scented. Very strong, upright growth. Gold Medal.

KING ALEXANDER I.—Reddish copper in bud, opening to golden copper, with most attractive bronze green foliage and wood. The flower is very double, and a large size when fully developed. Certificate of "The Most Beautiful Rose of France," 1937.

LADY NUTTING (H.T.).—Good for exhibition or for garden and house decoration. Of unshaded soft shell-pink, the flower is perfectly formed and of great size. The blooms are of exquisite exhibition type, produced with the freedom of the best bedding varieties. The growth of plant is most vigorous and the foliage dark and healthy.

LAWRENCE OF ARABIA (H.T.).—Indian yellow, flushed coppery rose. Large full, pointed flower, with big heavy petals. The growth is strong, bushy, and upright, of good bedding type. Particularly good in Autumn.

LEMANIA (H.T.).—Red with blackish velvet sheen; exterior very deep red. The flower is large and full, of good form; the bud is very dark, giving the impression of a black rose. The growth is very vigorous, disease resisting foliage; long rigid stems. Gold Medal, Saverne.

LILETTE MALLERIN (H.T.).—Fresh crimson pink; reverse of petals soft creamy yellow; very attractive; the buds are long, pointed, and flowers decorative but not quite double. Very healthy trees; dark green foliage; free flowering, making a splendid bedding rose. Second place in The Concours de la Plus Belle Rose of France, 1936.

MADAME HENRI GUILLOT.—Deep dark salmon pink, with an orange glow, the latter shade particularly prominent at reverse of petals, also in heart of partly open flower. Perfectly built, high buds of elegant form; very large, more or less flat round flowers, like a Camellia when fully open. Very free flowering, healthy, strong bushes. Gold Medal, Bagatelle, Paris, 1936.

MADAME JEAN GAUJARD.—Named after the wife of the raiser. Orange yellow blooms, graceful, and perfectly shaped, borne singly on strong stems. Gold Medal, Grenoble, 1935.

MADAME LUCIEN PERRIER.—Orange-salmon, with a touch of yellow at base of petals; large, full flowers, elongated form and perfect shape; excellent for cut flowers as they have exceptional lasting qualities. The foliage is brilliant bronze-green and resistant to disease. The plant as a whole is unusually attractive.

NOTTINGHAM (H.T.).—This is a rose for cut-flowers; clear yellow blooms, touched with orange at the base, carried on long stiff stems. The petals are firm, of strong texture, and the flowers remain in full bloom for a long time without drooping.

ORANGE TRIUMPH (Hyb. Poly.).—A true Seedling, best described as a dwarf-growing Paul's Scarlet with a distinct orange shading; a highly attractive hybrid polyantha rose. Gold Medal, National Rose Society.

POULSEN'S YELLOW (H. Poly.).—Large, semi-double blooms of pure buttercup yellow carried in clusters and very freely produced. Growth is very free and branching, with strong, upright stems of a reddish bronze and few thorns. Buds are rich orange yellow, flushed darker shades, opening to clear yellow which fades to almond white. Good.

PRESIDENT FERIER.—The flowers are copper-orange, flushed with yellow at base of petals. The blooms are quite full with strong, firm petals; and lasting. The habit of the plant is excellent in every way, bright, healthy

foliage, strong growths with plenty of attractive flowers.

PRINCESS AMELEE DE BROGLIE.—Unique; glowing red with a yellow reverse of the petals. The flower is full with a high centre; dark green, glossy, healthy foliage. An excellent rose for any purpose. Awarded "The Most Beautiful Rose of France," 1935. Gold Medal, Bagatelle, 1935.

PRINCE BERNHARD (H.T.).—A seedling from Matador, crimson flushed with blood red and strawberry red. Long pointed buds on tall, strong stems. Full well formed flowers, very fragrant; dark glossy green foliage, excellent growth. A fine cutting and bedding variety. Gold Medal, Bagatelle, Paris. First Class Certificate, Royal Dutch Hort. Society, Des Tombes Medal, Boskoop. First Class Certificate Nos Jungunt Rosae.

RADIO.—Intriguing. No two flowers are ever alike. The general coloring of the blooms is primrose-yellow; each of the petals is unevenly striped, sometimes splashed with brilliant carmine, sometimes with delicate rose-pink. Each flower has its own individual beauty and different coloring. Fresh, luscious fragrance. A garden rose of excellent quality.

RAMON BACH.—The orange tinted buds develop into double blooms, carried on long stiff stems. The opening flower has velvety, shining petals of brilliant yellow, shading to yellow-orange at base; reverse of petals is brightest red-gold. This double colour is quite distinct and very pure; strong, erect growths with dark green, healthy foliage. An ideal garden rose.

REINE ASTRID.—Most attractive buds develop into bloom of fine full shape with petals of capucine-red on the inside and of golden-yellow on the reverse, flowers profusely. An excellent variety for the garden, intensely colored blooms of fine form. Received special award of the French Rose Society for "The Most Beautiful Rose of France, 1937," also Medal of Honor at Namur, Belgium.

SAN DIEGO (H.T.).—Type, Shot Silk. Bud medium to large, ovoid; flower large double, very lasting, strong fragrance (fruity); deep orange-yellow, shading to apricot in open flower, fading to soft buff (never white) in sun, on strong stem. Foliage abundant, glossy. Vigorous, free, open upright, bushy.

SARAH DARLEY (H.T.).—A most attractive rose. Deep pure yellow heavily shaded copper; large full flowers, perfect pointed form, borne freely on strong, spreading growth. Opens well in any weather. Deep bronze-green, disease resisting foliage. An ideal bedding rose, strongly fragrant.

SENATEUR POTIE.—Pure yellow, even in tone. Of medium size and good form; the flowers are of great decorative value. This is an ideal garden rose; strong, vigorous bushes, with robust, upright growth. The foliage is remarkably healthy and disease resistant.

SNOW WHITE (H.T.).—A very sweet scented full white rose of great size, good form and texture, with plentiful clean foliage and stiff upright stems. Excellent for bedding as well as exhibition. Good.

SOUVENIR DE LLETTE (H.T.).—Bud and flower snow white. Buds are very long, flower medium, large, and fine quality. Free branching compact habit, constant free flowering. Very fragrant. Excellent for cut flower. Gold Medal,

Floralis Lyonnaise. Gold Medal, Society Lyonnaise d'Horticulture.

VAINQUEUR (H.T.).—Flower is dark blood red, very large, full, sweetly scented. The bud is of beautiful form carried singly on long erect stem. The growth is very strong, splendid foliage; strongly recommended for bedding, but also excellent for Cut Flower and forcing. Awarded "The City of Saverne Cup."

WALTER BENTLEY (H.T.).—Striking, vivid coloring, fine form and great size, large blooms of coppery-orange; a glorified and intensified Mrs. Sam McGredy. The flowers are of exhibition standard and are carried on strong, upright stems. The foliage and wood is red, shaded dark green.

WILL ROGERS (H.T.).—Type, Gipsy Lass. Bud ovoid; flower double, very lasting, intensely fragrant, velvety maroon-crimson, almost black at base of petals; on strong stem. Foliage abundant, leathery, light green. Very vigorous, bushy; profuse bloomer all season.

ROSES—General List

Our Roses are budded on Rosa Multiflora and Rosa Odorata (American Noisette) Stocks, and we find these stocks give general satisfaction.

STOCKS.—Some confusion seems to exist in the correct name of Rosa Odorata, for as far as we can ascertain in Sydney it is known as American Noisette; in Melbourne, Monthly Blush; in Adelaide, Boursault; and in Brisbane, Manetti.

ORDERING.—Purchasers having limited knowledge of Roses are often disappointed through selecting varieties seen in show trays and dealers' windows, which are not average blooms grown under ordinary conditions, as dry Summers followed by good rains will produce abnormal flowers. Hence we recommend that prospective buyers either consult experienced gardening friends, or else leave the selection entirely to us, stating whether good all-round garden roses are required or exhibition kinds. In either case we will select the best varieties. Owing to the similarity in many of the names, and in order to avoid mistakes, purchasers are requested to write the names of varieties wanted clearly. Also please state distinctly whether it is Standard, Bush or Climbing plants you require, for the word Standard is often wrongly used to denote Bush plants.

SUBSTITUTES.—It is advisable to give a few supplementary names, as substitutes, in case any of those ordered are sold out. Particularly towards the end of the season is that necessary. If you don't wish substitutes, please write "no substitute" on order sheet.

DESCRIPTIONS.—By experience and observation we make every effort to properly describe all Roses catalogued, but owing to the vast difference in soil, weather, elevation and aspect, we find it is impossible to give a description that will suit all localities and climates. Particularly is this so in the case of varieties with intense color or varieties containing various shades of color. In early Spring or on hot days, yellows will often come white and reds come pink. These varieties often appear to be untrue, but they should not be condemned on the one flowering, as in most cases the Autumn is the best time to judge of the correctness of the labelling. Vigorous, strong, poor, at the end of each description refers to the growth of the plant.

PETALAGE varies considerably, and may be increased by disbudding and extra good attention. Semi-double varieties usually have more petals in Autumn and early Winter than in Spring and Summer, and often last well when cut; particularly those with thick, tough petals.

H.P.—HYBRID PERPETUAL.—This class is very hardy, with tall, vigorous, upright growth, and resists frosts better than the Teas; chiefly Spring blooming, and sometimes in Autumn; not ever-blooming, but give a great wealth of flowers when in bloom, and are mostly fragrant. Invaluable for Spring shows.

H.T.—HYBRID TEA.—Originated in a class between H.P.'s and Tea, but the various classes have been so crossed and re-crossed that it is now difficult to classify correctly. Ever-blooming and hardy. This group is easily the most important, and includes most of the finest Roses embracing all colors and shapes.

M.—MOSS ROSES.—Only thrive to perfection in cold climates. Mainly Spring blooming, and their beauty is the mossing on the buds before flowers are opened.

PER. PERNETIANA.—The most recent class of Roses; originating in a cross between Austrian Briar and an H.P., and is now being crossed with all other classes, so that it becomes increasingly difficult to classify correctly. Colors usually very intense, free flowering, growth strong in dry inland and cold mountain climates, but in warm humid climates inclined to die back. Very subject to Black Spot.

T.—TEA-SCENTED.—Almost evergreen, with glossy green foliage. Very free flowering, but more tender to frost, and are not as hardy as the H.P.

*The varieties marked with a star are specially recommended by the National Rose Scty. of New South Wales as being most suited for general utility purposes. Price, 1/3 each; 15/- dozen; 25 plants, £1/8/-; £4/10/- per 100; packing included.

Postage or Freight Extra.

These prices apply only when the full number is taken at one time, as 25 or 50 plants done up in one consignment are much less trouble than are the same number done up in several consignments. For larger quantities quotations on application. For those living near railway station, it is best to have them by train, as stronger plants can be sent and more weight allowed in packing. Plants available for coming season are well advanced, and promise to be first-class plants by selling time.

A. DENIS (H.T.).—Deep lemon-yellow, heavily shaded with carmine. Sweetly scented: large, full bloom. Vig.

ALEXANDER HILL GRAY (H.T.).—Lemon yellow, large, high pointed centre, free, strong.

ALBERT MAUMENE.—Vig., resistant to disease; flower very full; inside golden carrot-red, shaded copper; exterior red shaded orange-yellow, perfumed.

ALEZANE (H.T.).—Large, reddish brown buds, sorrel flowers, reverse striped with yellow veins, vig.

AMALIA JUNG (H.T.).—Vig. Flower large, full. Centifolia perfumed; brilliant crimson red.

***AMBASSADOR (H.T.).**—Salmon pink sport of Talisman with decided orange base. Highly recommended.

AMERICA (H.T.).—Rose pink, large, perfect form, fragrant, fairly free, mod.

AMI F. MAYERY (H.T.).—Vig., hardy, disease resisting; long bud, flower full, good form; brilliant scarlet crimson: perfumed.

***ANGELE PERNET (Per.).**—Bright orange, shaded reddish apricot, large, semi-double, ragged petals, free, strong.

ANNA NEAGLE (H.T.).—Bright currant red; base of petals sunflower yellow; medium size, full, mildew-proof, free.

ANTINEA (P.).—Vig., disease-resistant, orange color, like Angele Pernet, good form, perfumed.

ARIBAU.—Brilliant red; long pointed buds; large double flowers, cupped form; free flowering, lasting, vig., fragrant.

AUTUMN (H.T.).—Combination of crimson, scarlet and yellow, good form, large, fairly full, free, vig.

BARCELONA (H.T.).—Bud long, pointed, full, perfect form; deep carmine-crimson, black velvety shadings; scented.

BARON JACQUES RISTON (H.T.).—Bright salmon pink with apricot, large, full, good shape, fragrant, long bud; free, vig., disease-resistant.

BETTER TIMES (H.T.).—Large, double, fragrant, very free bloomer; crimson carmine. One of the Columbia family.

***BETTY UPRICHARD (H.T.).**—Salmon pink, reverse coppery carmine, medium, good form, semi-double, free, vig.

- BRASIER.**—Vigorous, free, disease-resistant, long, red bud, with dark flames; the flower is glowing red.
- ***BRIARCLIFF.**—An improved Columbia, better shape; sweetly scented. Recommended.
- ***CALEDONIA** (H.T.).—Pure white, free, good form, mildew-proof foliage, vig.
- CARMELITA** (H.T.).—Vivid red flowers, vig. Fades to cerise-pink.
- CARILLON** (H.T.).—Long pointed orange scarlet bud; flower deep coral overcast with orange; inner petals irregularly arranged.
- CAROLINE TESTOUT** (H.T.).—Satiny pink, large and globular, free, vig.
- CATALONIA** (Pernt.).—Vig., large full flower, good form, perfumed; cardinal red, yellow at base of petals.
- ***CATHERINE KORDES** (H.T.).—Buds long, pointed; large, good shape; scarlet with dark shades of crimson; strong.
- CHAPLIN'S TRIUMPH** (H.T.).—Rich deep crimson with dark velvety sheen; buds are well formed, long, shapely; strongly scented. Free flowering.
- CHAS. P. KILHAM** (H.T.).—Oriental red, suffused glowing scarlet, large, good form, fairly full, free, strong.
- CHRISTOPHER STONE** (H.T.).—Bright velvety scarlet, vig., disease-resistant, free, perfumed. Up to exhibition standard when full grown.
- COLONEL SHARMAN CRAWFORD** (H.T.).—Rich velvety crimson, reverse heavily veined and shaded deeper; centre scarlet red. Mod. large, full; disease-resisting; vig., fragrant.
- ***COLUMBIA** (H.T.).—Rich peach pink, medium to large, fragrant, often misshapen, best in Autumn, free, lasts well when cut, strong.
- ***COMTESSE VANDAL** (H.T.).—Buds reddish copper with golden bronze when fully grown; bud is long and pointed.
- CONTESA DE SASTAGO** (Pernt.).—Bicolored flowers. Vig., golden yellow bud, well formed bloom. Andrinople red inside. Fragrant.
- CRESTED MOSS** (M.).—Pink, medium buds, heavily crested with moss, vig.
- ***CRIMSON GLORY** (H.T.).—Large buds, full, well-formed; deep vivid crimson, shaded ox-blood-red, soft velvety nap; vig. Good exhibition and garden. Perfumed.
- ***DAILY MAIL SCENTED** (H.T.).—Rich velvety crimson, not full, large, free, fragrant, strong.
- ***DAINTY BESS** (H.T.).—Silvery pink with salmon flush, pretty coral stamens, sweetly scented, single, free, vig.
- ***DAME EDITH HELEN** (H.T.).—Deep rose pink, very large, full, perfect form, old rose fragrance, uncertain grower, lasts well when cut.
- DAVID MCKEE** (H.T.).—Crimson red, large, full, vig., free, fragrant.
- DECORATOR** (H.T.).—Bright carmine orange, yellow base, inside petal bright cerise; strong, free.
- DELIGHTFUL** (H.T.).—Outside amber-yellow, inner side sparkling rose shading to yellow. Large, perfect shape; Tea perfume; free, strong.
- DICKSONS CENTENNIAL** (H.T.).—Deep glowing crimson, rich red and black shadings; fully developed flower strawberry-red; long pointed bud, fragrant; strong.
- DICKSONS PERFECTION** (H.T.).—Shrimp pink, overlaid with madder orange; orange yellow base; large, medium full blooms, sweetly scented.
- DORIS FINDLATOR.**—Light apricot, deeper tone towards base; outside flushed reddish salmon with tinge of carmine; full, shapely.
- DOROTHY MCGREDY** (H.T.).—Sunflower yellow shading into strawberry; inner side vermilion, saffron yellow base; good shape, free; sweetly scented; mildew-proof.
- DR. HAWKESWORTH** (H.T.).—Vig., mildew-proof foliage. Flowers medium. Rich crimson shading to deep maroon. Fragrant.
- DRUSCHKI RUBRA** (H.T.).—Buds long, pointed, large, cupped; color dark blood red, fragrant; free, strong.
- DUCHESS OF SUTHERLAND** (H.T.).—Rose pink, large, good form, full, vig.
- DUCHESS OF WELLINGTON** (H.T.).—Saffron yellow, veined crimson, large, semi-double, free, long buds, strong.
- EARL HAIG** (H.T.).—Reddish crimson, large, globular form, full, fragrant, strong.
- EDITH KRAUSE** (H.T.).—Large, full, pointed; bud long; greenish white with red stripes on outside of petals.
- EDITH NELLIE PERKINS** (H.T.).—Medium cerise, merging into orange salmon; fairly full, good form, free, vig.
- ***EDITOR MACFARLAND** (H.T.).—Vig., disease-proof; large, good form; bright rose shaded salmon and capucine red; good.
- EFFEKT** (H.T.).—Inside scarlet red, outside flushed golden yellow; large grower; free flowering.
- ***E. G. HILL** (H.T.).—Dazzling scarlet shading to deep pure red; good form, fairly full, very free, vig.

- E. J. LUDDING (H.T.).**—Large, satin pink with coral red and salmon shades; full, well formed.
- ELITE (H.T.).**—Glowing rose with orange shading, richer in color than Pres. Hoover. Flowers double, well formed, fragrant.
- ELIZABETH ARDEN (H.T.).**—Free, pure white, perfect form; mildew-proof; strong.
- *ELIZABETH OF YORK.**—Rich shade of cerise pink lit up through petals with a wonderful iridescence, which gives the flowers a great brilliance. Recommended.
- ELLI KNAB (H.T.).**—Bud pointed, bloom very large, wide petals. Color pink; strong. Disease-resisting.
- *ETHEL SOMERSET (H.T.).**—Coral pink to shrimp pink, large, full, high pointed centre, free, fragrant, vig.
- *ETOILE DE HOLLANDE (H.T.).**—Dark red, stiff petals, good form, richly fragrant, very free; seldom blues or burns; the best garden red to date; vig.
- ETOILE DE FRANCE (H.T.).**—Crimson, large, sweetly scented, free, strong.
- FAIENCE (H.T.).**—Reverse of petals pure yellow; large, full flowers shade off to peach and apricot.
- FANNY (H.T.).**—Bud and flower very brilliant red, long stem, vig., free.
- FASCINATION (H.T.).**—Rosy cerise shaded yellow, good shape, vigorous, free. Strong fruit scent. Recommended.
- FEDERICO CASAS (Per.).**—Large semi-double, open, lasting; red and yellow, very free, strong.
- FEU PERNET DUCHER (H.T.).**—Creamy buds marked with carmine, opening to rich yellow; edges lightly flushed with pink. Autumn flowers darker.
- FONTANELLE (H.T.).**—Large, yellow, good form, free, mod.
- *FRANCIS SCOTT KEY (H.T.).**—Cherry red, large, full, good form, free, strong..
- *FRAU KARL DRUSCHKI (Snow Queen) (H.P.).**—Pure snow white, large, well formed, free, can also be grown as a climber, a good white, very vig.
- FRED WALKER (H.T.).**—Buds coral red; blooms glowing pink, coppery orange base, large, full, good shape; faint "Tea" perfume. Mildew proof.
- FRIEDA KARUSE (H.T.).**—Glowing orange scarlet red, strong, free, attractive.
- *GAIETY (H.T.).**—Medium, semi-double orange, shaded Indian red; scarlet; free; strong.
- GARDENDIREKTOR NOSE (H.T.).**—Etoile de Holland color. Bud pointed, full; opens well in all weathers.
- GEHEIMRAT DUISBERG (H.T.).**—Sun-true, deep yellow; good shape and substance, med. growth.
- *GENERAL MACARTHUR (H.T.).**—Bright crimson, large, full, rather flat, shaded scarlet, sweetly fragrant, very free, vig.
- *GEORGE DICKSON (H.T.).**—Rich velvety crimson, large and full, rich fragrance, mildews, very vig.
- GEORGES PAQUEL (H.T.).**—Saffron yellow; large well-formed bloom.
- GEORGE SCHWARTZ (T.).**—Bright buttercup yellow, medium, semi-double, beautiful buds, free, mod.
- GERALD HARDY (H.T.).**—Bright scarlet red, pointed bud, mod. large, full flower, fragrant; strong.
- GIPSY LASS (H.T.).**—Rich scarlet crimson, full, medium size; strong, prolific, hardy, highly perfumed.
- GIRONA.**—Medley of rose pink, yellow and red, somewhat like Talisman; buds are pointed; intensely fragrant, free; vig., disease-resisting.
- GISELE ALDAY (H.T.).**—Vig., free from disease, long bud. dark coral pink; flower large, flesh pink, with orange; free.
- GLOAMING (H.T.).**—Large buds, large, full flowers of soft satiny pink, fragrant.
- *GOLDEN DAWN (H.T.).**—Sunflower-yellow, flushed rose, good form, full; Tea scented; free, vig.
- GOLDEN DRUSCHKI (H.P.).**—Mildew-proof; large, full, perfectly shaped, clear golden yellow; fades. Long buds, strong. Not so free in Autumn.
- GOLDEN EMBLEM (Per.).**—Cadmium yellow, large, fairly full, good form, free; dies back; poor.
- *GOLDEN OPHELIA (H.T.).**—Golden yellow, medium, perfect form, free; one of the best yellows; vig.
- GOLDENSE MAINZ (H.T.).**—Strong, sunny yellow with red stripes, full; keeps the bud color until petal drops; Tea scented.
- GOLDEN VANDAL (H.T.).**—Sport of "Comtesse Vandal." Long, pointed bud; chrome yellow suffused with China-pink.
- GRENOBLE (H.T.).**—Vig., disease-proof; flowers large, full, perfect form, brilliant scarlet color; perfumed.

- GUISEPPE MOTTA** (H.T.).—Inside flesh pink, exterior red-yellow; flower large, perfumed, semi-double. Does not fade.
- ***HADLEY** (H.T.).—Dark red, large, full, good shape, very free, fragrant; blues badly at times, vig.
- HEINRICH WENDLAND** (H.T.).—Deep golden yellow on reverse; vivid nasturtium red on inner face; buds large, pointed; vig.
- ***HOOSIER BEAUTY** (H.T.).—Dark crimson, with darker veinings, large, full, perfect form, fragrant, free, strong, seldom blues.
- HUGH DICKSON** (H.P.).—Crimson scarlet, large, fairly full, fine form, vig.
- HUGO ROLLER** (T.).—Lemon-yellow, edged carmine outer petals, medium, good shape, free, mildew-resistant, mod.
- IRISH ELEGANCE** (T.).—Bronzy orange, large, single, very free, good in Winter, decorative, vig.
- ***IRISH FIREFLAME** (T.).—Buds orange, splashed crimson, large, single, free, fine in Winter, decorative, vig.
- JACQUES LATOUCHE** (H.T.).—Orange pink with yellow reverse; in early Summer color is vermilion on inside and yellow outside. Large flower. Vig.
- J. C. THORNTON** (H.T.).—Glowing crimson scarlet. Vig., medium blooms; fairly free from mildew; recommended.
- JOANNA HILL** (H.T.).—Large, clear yellow, deepening at centre, good form, free, vig.
- ***JONKHEER J. L. MOCK** (H.T.).—Carmine, changing to imperial pink, large, good form, lasts well when cut, fragrant, vig.
- JHR. MR. G. SANDBERG** (H.T.).—Indian yellow with chromatic yellow; mod. large, full pointed flower, disease-resisting, sweetly scented, free; excellent for cutting.
- JULIEN POTEN** (Per.).—Rich golden yellow, intensifying as flower ages; good form; free, strong.
- K. A. VICTORIA** (H.T.).—White, shaded cream, large, full, perfect form; one of the best creams; free, strong.
- KARDINAL** (H.T.).—Blackish red changing to fiery scarlet; large, full, cup-shaped flower, good form, disease-resisting, strong, free, scented.
- KATHARINE PECHTOLD** (H.T.).—Pointed bud, full flowers, coppery orange flushed with rose and gold. Sweet clove pink fragrance. Free.
- ***K. OF K.** (H.T.).—Intense vivid scarlet, large, semi-single, stiff petals, lasts well when cut, free, showy, strong.
- KIDWAY** (H.T.).—Flower full, perfect form; sun yellow striped and shaded orange; disease-resisting.
- KING GEORGE'S MEMORIAL** (H.T.).—Vigorous; dark crimson with dark velvety-purple shading. Exhibition quality, very large, full, strongly scented.
- ***KOROVO** (H.T.).—Flower large and full; color peach blossom and old rose; vig., free.
- ***LADY HELEN MAGLONA** (H.T.).—Dark crimson, old rose perfume, large, full, good form, free, strong.
- ***LADY HILLINGDON** (T.).—Rich apricot yellow, large, long bud; semi-double, free; one of the best; vig.
- LADY SYLVIA** (H.T.).—A sport from Madame Butterfly. Color is superior; all shades are intensified; sweet scent.
- LA FRANCE** (H.T.).—Pale rose, reverse of petals deeper; large, very full, very fragrant, free, prune lightly, mod.
- LA PARISIENNE**.—Free flowering; strong, vigorous. Long flaming coral buds; very large, full, golden coral flower. Lasts a long time in water.
- ***LAURENT CARLE** (H.T.).—Velvety carmine, large, fairly full, good form, free, fragrant; one of the best; strong.
- LEADING LADY** (H.T.).—Flesh pink, flushed peach-blossom rose, large, full flower, conical form, scented, strong, free; disease-resistant.
- LEONTINE CONTENOT** (H.T.).—Sunflower yellow, bordered with vivid pink; large, full, high-pointed centre, bud long, pointed; vig., free, disease-resistant.
- LIEBESBOTE** (H.T.).—Crimson scarlet, large, full, well-formed blooms; scented; free.
- LISBETH PRIM** (H.T.).—Brilliant copper-cerise red, outer petals overlaid with blood-red; large, full, fragrant; vig.
- LORD CHARLEMONT** (H.T.).—Crimson, large, full, good form, no perfume; exhibition rose; mod.
- ***LORRAINE LEE**.—One of the most free flowering; disease-resistant; terra cotta pink color. Highly recommended.
- LOS ANGELES** (Per.).—Flame pink, toned coral yellow; large, fairly full, good form, free, strong.
- LOUISE CRETTE** (H.P.).—White, with creamy centre, very large, full, perfect form, good, very vig.
- LUCY NICHOLAS** (H.T.).—Coppery colored coral pink, with gold shaded reflex color; does not fade. Large, full flower, free from disease. Lasts well when cut.

- LUIS BRINAS** (H.T.).—Orange copery, pointed buds; full, high centre; soft old rose flushed with gold; fragrant; vig.; free.
- MABEL TURNER** (H.T.).—Large, full, well-formed; high pointed centre, deep salmon-pink with reflexed petals. Liable to fade. Recommended as a very fine exhibition and good garden rose. Faint tea scent. Vig.
- ***MDM. ABEL CHATENAY** (H.T.).—Carmine rose, shaded salmon, large, good form, very free, fine buds; one of the best garden roses; vig.
- ***MDM. BUTTERFLY** (H.T.).—Pink, shaded gold and apricot, large, good form, fairly full, fragrant, free, strong.
- MDM. EDOUARD HERRIOT** (Per.).—Rich coral red, passing to prawn red, medium, semi-double, very free, mod.
- MADAME EDOUARD ESTAUNIE** (H.T.).—Vigorous; elongated buds; flower large, double, good shape, sweetly scented; Nankeen-yellow shaded red in centre; flesh coloring on tips and reverse.
- MADAME JOSEPH PERRAUD** (P.).—Long, Nasturtium orange bud, changing to Nasturtium buff, shell-pink at edges; large, full flowers; fragrant; disease-resistant.
- MADAME LOUIS LENS** (H.T.).—Buds very long, pointed; pure white blooms, full; good exhibition and garden variety. Vig. Recommended.
- ***MDM. PIERRE S. DU PONT** (H.T.).—Long bud; large, full, sweetly scented; intense yellow shaded ochre; free, strong.
- MADAME RAYMOND GAUJARD** (Olympiad) (Pernt.).—Bud long, pointed; color lustrous scarlet on a bright golden base.
- MADAME ROBERT FORTIN** (H.T.).—Carmine, large, full, cup-shaped, fragrant, strong.
- ***MDM. SEGOND WEBER** (H.T.).—Rosy salmon, large, full, fine buds, good form, very free, strong.
- MADGE WHIPP** (H.T.).—Glowing crimson and fiery scarlet, large blooms of velvety texture; vig. Disease-resistant. True rose fragrance.
- MAISON PERNET-DUCHER** (P.).—Resistant to disease; bud elongated; flower good form, full, clear orange, pronounced to centre and shaded copery.
- ***MALAR ROS** (H.T.).—Strong, free. Large, pointed, full, perfect form; deep crimson, old rose perfume; good for any purpose; up to exhibition standard when well grown.
- MAMAN COCHET** (T.).—Rose, shaded salmon, large, very full, fine form, free, mildew-proof; vig.
- ***MARGARET McGREDY** (H.T.).—Deep currant red, reverse old rose, good form, large, full, free, vig.
- MARIE VAN HOUTTE** (T.).—Cream-edged rose, large, long bud, semi-double, free, vig.
- MARY HART**.—Red sport from Talisman, fragrant, vig., profuse, crimson-scarlet flushed orange to deep carmine.
- MATADOR** (H.T.).—Dark, scarlet crimson, silky sheen on reverse of petals, maroon shade on inside; highly perfumed. Disease-resisting.
- MAX KRAUSE** (H.T.).—Large, full, fine form, long bud; deep reddish orange, changing to lighter tone, strong.
- MAY WETTERN** (H.T.).—Bright salmon pink, changing to light pink; fairly full, fine form; free; vig.
- McGREDY'S CORAL** (H.T.).—Coral pink, overlaid salmon, shaded copper; large, pointed, good form, vig., free, resistant to disease.
- McGREDY'S IVORY** (H.T.).—Large, well formed flowers, creamy white merging into light yellow: free.
- McGREDY'S ORANGE** (H.T.).—Inside and base of petals deep Indian yellow; outside bright orange, flushed salmon; medium-sized flowers, full, high-pointed centre. Tea perfume, vig., free, disease-resistant.
- McGREDY'S PEACH** (H.T.).—Creamy yellow tinged salmon; good shape, large, perfumed, vig., free, disease-free.
- McGREDY'S PINK** (H.T.).—Bright rose; outer petals shade to pearly cream and pink, saffron yellow base; large, perfect form, sweetly scented, free, vig.
- McGREDY'S PRIDE** (H.T.).—Orange and salmon pink, flushed and veined saffron yellow; buds long, pointed; lasts well.
- ***McGREDY'S SCARLET** (H.T.).—Velvety scarlet, washed crimson; large, full, tea perfume; free, vig.
- McGREDY'S SUNSET** (H.T.).—Outside clear buttercup yellow; inside chrome yellow at base, shading off into bright scarlet; color intensifies as blooms expand; medium size, full, shapely, fragrant; vig.; mildew-proof.
- McGREDY'S TRIUMPH** (H.T.).—Germanium red flushed orange, rich orange at base, large, full, good shape.
- McGREDY'S WONDER** (H.T.).—Copery orange, outside deeper orange red; large, pointed, good form, mod. full, vig., mildew-resistant.

- ***McGREDY'S YELLOW** (H.T.).—Large bright buttercup yellow, scented, strong, disease-free.
- ***MEVROUW G. A. VAN ROSSEM** (H.T.).—Golden orange, shaded orange and apricot, good form, full, strong.
- MISS AUSTRALIA**.—Shell pink, shaded salmon at base of petals; large, good form, scented; lasts well.
- MEME BUY** (H.T.).—Strong, disease-resisting. Large flower, cup-shaped, double, copper coral-red, lightly lighted with golden yellow.
- MLLE. BEP VAN ROSSEM**.—Canary yellow flowers of medium size; strong, free.
- MOLLY SHARMAN CRAWFORD** (T.).—White, large, full, good form, free, lasts well cut, mildew-proof, strong.
- MOTHER'S DAY** (H.T.).—White, faintly tinted pink, exhibition blooms, vig.
- MRS. ANTHONY SPALDING** (H.T.).—Strawberry red, flushed orange, veined claret; large, full, good shape, fragrant, free, vig., mildew-resistant.
- MRS. A. R. BARRACLOUGH** (H.T.).—Carmine pink, large, full, fine form, free, strong.
- MRS. A. R. WADDELL** (H.T.).—Reddish salmon, medium, semi-double, nice bud, free, strong.
- ***MRS. BRYCE ALLEN** (H.T.).—Silvery rose, large, fine form, fairly full, flat-tish, perfumed, free, strong.
- ***MRS. CHARLES LAMPLOUGH** (H.T.).—Pale lemon yellow, large, full, fine form, free, opens badly at times, strong.
- ***MRS. CHARLES J. BELL** (H.T.).—Shell-pink sport of Radiance; a dainty color, fades easily; very free; vig.
- ***MRS. DUNLOP-BEST** (H.T.).—Reddish apricot, medium, full, fine form, free, good decorative, mildew-resistant, vig.
- MRS. EDWARD LAXTON** (H.T.).—Old Rose and flaming orange; habit of growth similar to Shot Silk, free; disease-resisting.
- ***MRS. GEORGE SHAWYER** (H.T.).—Clear rose, very large, fine form, full, mildews badly, exhibition rose, strong.
- ***MRS. HAROLD BROCKLEBANK** (H.T.).—Creamy white, flushed rose, large, full, good form, free, good, vig.
- ***MRS. H. R. DARLINGTON** (H.T.).—Creamy white, very large, full, fine form, free, strong; good for exhibition.
- ***MRS. HERBERT STEVENS** (T.).—White, large, long bud, semi-double, very free; one of the best garden whites; lasts well; vig.
- MRS. H. WINNETT** (H.T.).—Bright red, large, full, perfect form, fragrant, free, strong; good exhibition.
- MRS. J. D. EISELE**.—Rich cherry rose; large, full, fragrant, good shape, good grower, free.
- MRS. MACKELLAR** (H.T.).—Citron yellow, shaded primrose, large, high centre, free, strong.
- MRS. SAM McGREDY** (H.T.).—Scarlet coppery orange, large, fine form, fairly full; strong, free.
- MRS. WILLIAM C. EGAN** (Per.).—Soft light pink; interior deep flesh; large, good form; lasts well; free, strong.
- ***MRS. W. LENNON** (H.T.).—Large, carmine crimson, good form, very free, fairly full, fragrant, strong.
- NIGRETTE** (H.T.).—Color velvety black. Darkest of all roses; full, free; scented.
- NINON VALLIN** (Pern.).—Resistant to disease. Inside petals coppery orange, yellow base; outside golden yellow; full.
- ***OLIVER MEE** (H.T.).—Salmon pink, buds long and pointed, large, full, high centre, free, strong.
- OLYMPIA** (H.T.).—Bright red, large, full flower; very free; fragrant.
- OPHELIA** (H.T.).—Salmon flesh, shaded yellow, large, good shape, fairly full, fragrant, free, strong.
- ORANGE GLORY** (H.T.).—Buds and flowers medium size, full, fragrant; orange color; free flowering.
- OSWALD SIEPER** (H.T.).—White with sulphur yellow centre, good form, scented; strong, disease-resisting.
- OTTO KRAUSE** (H.T.).—Vig., free, large, full; perfectly formed; coppery yellow.
- PALACKY** (H.T.).—Orange-yellow, large; strongly scented; splendidly shaped bud.
- PAUL NEYRON** (H.P.).—Deep rose, extra large, full, very fragrant, vig.
- PENELOPE** (T.).—Outer petals red, centre creamy white, color variable; medium, full, high pointed centre, free, mildews badly.
- PERCY IZZARD** (H.T.).—Clear deep cream; golden yellow at base, pearly pink at tips, free, decorative.
- ***PICTURE** (H.T.).—Clear velvety rose-pink. Buds medium size, perfectly formed; growth sturdy and free.
- PHYLLIS GOLD** (H.T.).—High pointed centre; pure yellow; vig.; large, semi-double flowers.
- PORTADOWN FRAGRANCE** (H.T.).—Large, full, perfect form, orange-salmon-pink, with orange-scarlet; very free; mildew-proof, vig.

- PORTADOWN SALLY** (H.T.).—Reddish crimson, carmine, flushed yellow; not full, medium, good shape, high pointed centre; faint tea scent; free; vig.
- ***PRESIDENT HERBERT HOOVER** (H.T.).—Large, semi-double, open, lasting, fragrant, orange color, fading to a lighter shade; free; vig.
- PRESIDENT JAC SMITS** (H.T.).—Brilliant dark red, buds long and pointed; large semi-double; free, vig.
- PRESIDENT MARCIA** (H.T.).—Large, full, fragrant, deep pink on outside, pale flesh on inside; free, vig.
- PRESIDENT VAN OOST** (H.T.).—Bud yellow orange, opening to golden yellow; large, vig., free.
- PRINCE CAMILLE DE ROHAN** (H.P.).—Dark maroon, shaded velvety black; large, good shape; free; one of the best dark H.P.'s.
- PRINCESS MARINA**.—Delicate apricot heavily veined salmon; long buds, coppery outer petals stained with crimson; perfectly shaped flowers; for cut flower and button-holes; free, vig., disease-resistant.
- PRINCESS ROYAL** (H.T.).—Glowing light rose in bud, developing into hydrangea pink; large; old rose fragrance; disease-resistant.
- ***PRISCILLA**.—Rich pink, blooms of magnificent size and shape.
- QUEEN ASTRID** (H.T.).—Buds Persian yellow, open flowers, reddish apricot and bronze; large, full, fragrant; buds develop well in water. Strong, free.
- QUEENSLAND BEAUTY** (H.T.).—Pink sport of Golden Dawn. Rose pink on outer side of petals, yellow shade at base; free, vig., good.
- ***RADIANCE** (H.T.).—Silvery pink, reverse carmine, large, fairly full, globular, fragrant, very free, mildew-proof; good for garden and cutting; vig.
- RAPTURE** (H.T.).—Medium deeper pink than Mdm. Butterfly, fairly full, fine form, free, vig.
- RED LETTER DAY** (H.T.).—Brilliant scarlet crimson, large, semi-single, very free and showy, very vig.
- ***RED RADIANCE** (H.T.).—Pure red, large, globular, fairly full, fragrant, very free, fine under artificial light, mildew-proof; good garden red; vig.
- ***REVD. F. PAGE ROBERTS** (Per.).—Golden veined buff, reverse salmon, large, full, well formed, free, lasts well when cut, dies back, mod.
- REX ANDERSON** (H.T.).—Pale lemon yellow shaded gold at base; large blooms, full, perfect form, perfumed, free, vigorous; disease-resistant; for garden and exhibition purposes.
- ***RICHARD E. WEST** (H.T.).—Deep yellow, paler on reflex, large, perfect form, free, not full, vig.
- R.M.S. QUEEN MARY** (H.T.).—Salmon-orange; free-flowering, vigorous. Highly recommended.
- ROCHEFORT**.—Disease-resisting, large double yellow flowers with coral reflexes; scented.
- ROGER LAMBELIN** (H.T.).—Each petal edged with white, the rest being dark crimson, large, unique, strong.
- ROSE HILL** (H.T.).—Deep pink, large, full, high centre, fragrant, free, strong.
- ***ROSE MARIE** (H.T.).—Clear rose-pink, large, fairly full, good shape, very fragrant, free, strong.
- ***ROSELANDIA** (H.T.).—Rich golden yellow, medium, fine form, free, strong.
- ROTARY LYON** (H.T.).—Bud long, rose-golden; flower large, cup-shaped, double; outside yellow lightly shaded carmine; inside old-gold shaded carmine; fragrant. Vig.
- ROUGE MALLERIN** (H.T.).—Pointed bud brilliant red; full, high pointed centre; old Damask perfume; vig.
- RUBY MANWARING** (H.T.).—A fixed sport of Betty Uprichard, retaining all the constitution of its parent; good form, richly colored.
- SAM MCGREDY** (H.T.).—Young bloom honey yellow; flower changes to dark cream; base of petals sunflower yellow; large blooms, high-pointed centre; slight perfume; mildew-proof.
- S. & M. PERRIER**.—Vig.; long, large, spiral shaped, solitary buds; flower large, satiny pale rose, with a golden reflex.
- ***SENSATION** (H.T.).—Velvety crimson, shaded dark crimson, large, full, fine form, free, fragrant, blues badly, vig.
- SHINING SUN** (H.T.).—Bud pointed, golden-yellow, shading to dark old gold as bloom expands. Vig. Excellent for cutting purposes.
- ***SHOT SILK** (H.T.).—Bright cherry, cerise overshot salmon-orange, good form, mildew-proof, free, medium, fairly full, strong.
- SIGNORA P. PURICELLI**.—Brownish orange bud, opening to mixture of yellow and salmon; fragrant, double, free, vig. Known in America as "Signora."
- SILVER JUBILEE** (H.T.).—Light golden yellow, chrome base, canary edge; first blooms are enormous; flowers in second crop smaller, but richer coloring, being shaded with light rose; vig., profuse.

- ***SIR HENRY SEGRAVE.**—Primrose yellow, chrome base; intensifies with age; large, full, well formed flower, high pointed centre; free, scented.
- SOLEIL D'ORIENT (H.T.).**—Strong; buds oblong; large flower, yellow shaded Indian-red; base of petals golden yellow; free, perfumed.
- SOUVENIR (H.T.)** (sport of Talisman).—Deep golden buds, opening to golden yellow blooms which hold their color.
- ***SOUV. DE CLAUDIUS PERNET (Per.).**—Sunflower yellow, large, full, good form, lasts well when cut; free, strong.
- SOUV. DE DENIER VAN DER GON (H.T.).**—Orange yellow shaded coppery red. Large, full, good form, perfumed, long pointed buds. Vig.
- SOUV. DE GEORGES PERNET (Per.).**—Oriental red, shaded carmine and yellow, large, full, globular, free, strong.
- ***SOUV. DE H. A. VERSCHUREN (H.T.).**—Orange yellow, large, fairly full, good shape, free, vig.
- SOUV. DE MADAME A. HESS.**—Vigorous, long, shrimp pink bud; flower large, cup-shaped, shrimp pink with deep coral centre, yellow shading; free, fragrant.
- ***SOUV. DE MDM. BOULLET.**—Rich yellow, large, not full, long-pointed buds, free, vig.
- SOUV. OF STELLA GRAY (T.).**—Orange, splashed apricot, copper and salmon, small, full, nice buds, free, mod.
- STAR OF QUEENSLAND (H.T.).**—Dark crimson, large, fairly full, scented, free, good shape; for hot moist climates; strong.
- ***SUNBURST (H.T.).**—Yellow, with orange centre, large, good form, fairly full, free, strong.
- ***SUNNY SOUTH (H.T.).**—Soft pink, flushed carmine, medium, semi-double, very free, fine decorative, vig.
- SWEETNESS (H.T.).**—Apricot-buttercup yellow ground shaded light rosy cerise, deep amber base; fades to maize yellow washed with pale rose. Bud long, pointed; flower large, full, of perfect spiral form; fragrant, strong.
- ***TALISMAN (H.T.).**—Rich shadings scarlet, pink, copper and yellow, color variable, sometimes colorless, medium cup-shaped buds; very free; strong.
- TARANTELLA (H.T.).**—Bright orange and peach shading similar to Angele Pernet, but stronger in growth; free.
- TEXAS CENTENNIAL (H.T.).**—Sport of Pres. H. Hoover; color blood red toning to cerise red in centre.
- TEXAS GOLD (H.T.).**—A yellow sport from Pres. H. Hoover.
- THE BISHOP (H.T.).**—Bright crimson red, full, mod. large flower, true Old Rose fragrance; vig.
- TOKEN (H.T.).**—Full, double flowers glowing orange; free, disease-resistant. Aged blooms fade to pale pink.
- ***UNA WALLACE (H.T.).**—Cherry rose, large, full, fine form, fragrant, free, long stalks; good, vig.
- VENUS (M.).**—Bright red, medium, mossed, mod.
- VIKTORIA ADELHEID (H.T.).**—Strong, free; reverse pure yellow, inverse capucine red on deep golden yellow; scented.
- VILLE de PARIS (H.T.).**—Sunflower yellow, slightly tinted orange; faint tea perfume.
- VIOLINISTA COSTA (H.T.).**—Scarlet, strawberry, gold; opening flat; fruity fragrance; vig. Free of disease. Blooms very freely in the Autumn.
- VISCOUNTESS CHARLEMONT (H.T.).**—Salmon rose shading to satiny rose pink; base of petals deep buttercup yellow; large, full, well-formed; pronounced fragrance; free.
- ***WARRAWEE (H.T.).**—Long pointed buds, clear rosy-salmon. Inside silvery pink fading to lighter shades. Fragrant; vig.
- WARRIOR (H.T.).**—Buds blood-red, flowers crimson, large, semi-double, very free, good Winter flowerer, vig.
- W. E. CHAPLIN (H.T.).**—Crimson, deepening to carmine crimson, free, sweet scented, strong.
- WHITE ENSIGN.**—Pure white, slightly flushed cream at base of petals, very full, medium size, good shape.
- ***WHITE MAMAN COCHET (T.).**—Creamy white, tinted pink, large, very full, good form, very free, vig.
- WHITE MOSS.**—Pure white, large and full.
- WILHELM BREDER (H.T.).**—"Glowing Sunset" color. Large full, scented; vig.
- ***WILLIAM MOORE (H.T.).**—Carmine pink shading to deeper pink as blooms age; large, full, perfect shape, high pointed centre, scented; vig.; free; mildew-proof.
- WILLIAM ORR (H.T.).**—Deep velvety crimson; large, full, perfect form, fragrant; free, vig.
- W. R. SMITH (T.).**—White, tinged blush, large, full, good form, free, vig.

DWARF POLYANTHUS

Sometimes called Baby Roses, due to the small size of the individual blooms. Usually the plants are dwarf and bushy, with the flowers borne in large clusters. Very free and continuous flowering. Suitable for borders, edging and massing where a blaze of color is required.

Price, 1/- each; 11/- per dozen; 25 plants, £1; packing included.

Postage or Freight Extra.

AGNES KRUSE (Hyb. Poly.).—Bright fiery red with a velvet shade; large flower, flowering the whole Summer.

***ALICE AMOS**.—Rosy pink, with white eye, single, free, vig.

BETTY PRIOR (Hyb. Poly.).—Dark carmine, large blooms, unaffected by rain or sun; fragrant, strong, vig., disease-resisting, free.

***CECILE BRUNNER**.—Pale salmon pink, good shape, small, full, free, strong.

***ELLEN POULSEN**.—Rose pink, large, semi-double, very free, good, vig.

FIREBALL.—Mixture of orange and flaming scarlet; makes a quaint impression.

FIREGLOW.—Fiery orange red; one of the most brilliant colors seen amongst the Orleans type.

GEORGE ELGER.—Golden yellow, medium, good form, full, free, strong.

***GLORIA MUNDI**.—Glowing orange; outstanding; whether it burns or not, it is bound to be in demand.

GOLDLACHS (Golden Salmon).—Intense golden salmon, large, semi-double, free, vigorous.

GOLDEN POLY (H. Poly.).—Buds yellow cadmium with red stripes, open flowers buttercup yellow, fades to a yellowish white with lilac edges. Fragrant, free.

GOLDEN SALMON SUPRIEUR.—A glorified Golden Salmon. Color deeper and keeps its color much better under trying weather conditions.

IDEAL.—Scarlet crimson, large, free, semi-double, burns in sun at times, vig.

KATHERINE ZEIMET.—Pure white, medium, semi-double, free, vig.

***KIRSTEN POULSEN**.—Medium size single flowers, bright scarlet; excellent for decorative work; flowers retain their color.

LADY BRISBANE (Rosa Indica).—Crimson; compact and free flowering. Recommended.

LADY READING.—Bright red, large, semi-double, very free, vig.

MAMAN TURBAT.—China rose, shaded peach; a very beautiful variety.

MISS EDITH CAVELL.—Scarlet crimson, large, semi-double, burns at times, vig.

ORLEANS ROSE.—Carmine pink, white centre, large, semi-double, very free, the best of this class; vig.

***PAUL CRAMPEL**.—Color like geranium Paul Crampel; very like Goldlach's, but more intense color.

PERMANENT WAVE (Van Nes) (Hyb. Poly.).—Brilliant cochineal carmine; large, waved petals, half-full, fragrant, strong, free.

RUFUS.—Intense self-crimson, large, does not discolor, semi-double, free, vig.

SALMON SPRAY (Hyb.).—Salmon pink, large, semi-double, free, lasts well, very vig.

SPARKLER.—Sparkling brilliant red. A great advance upon existing red sorts.

SUNSHINE.—Bronzy red and orange, fading to pale orange, strong.

CLIMBERS

Price, 1/3 each; 15/- per dozen; 25 plants, £1/8/-; £4/10/- per 100; packing included.
Postage or Freight Extra.

True Climbers throw long shoots, but flower chiefly on the laterals, which are side shoots from the leading shoots. The main flowering period of Climbers is in the Spring, but sometimes they give a fair blooming in the Autumn if the weather is favorable. Many of the strong-growing sort (not in the Climbing list) can also be trained as Climbers, and some in the Climbing list can also be grown as Bush plants. Such sorts as Sunny South, Marie Van Houtte, Red Letter Day, Warrior, and other strong growers suit well to train on low fences, etc. It takes longer time to cover the space, but gives more continuous flowering and less trouble in keeping order than actual Climbers; but they are unsuitable for covering large spaces. Climbers can also be grown in the border if grown on poles or tripods. Climbers seldom flower the first year after planting, but usually make long growths. The prefix Climbing is only used where there are dwarf roses of the same name; and many of these climbing sports are often irregular in their climbing habit, and until well established should not be

shortened more than one-third, for if pruned severely may revert to the dwarf habit of growth. Those marked Pillar are not as strong climbers as the others.

- ***BLACKBOY** (H.T.).—Blackish crimson, shading maroon, large, semi-double, sweetly scented, mildew-proof, free.
- CLB. BETTY UPRICHARD**.—A vigorous climbing sport of the most popular Rose.
- ***CLB. COLUMBIA**.—A sport from the well-known dwarf.
- ***CLB. DAILY MAIL SCENTED** (H.T.).—Strong growing sport of this rose, strongly fragrant; vigorous.
- CLB. DAME E. HELEN**.—A climbing sport from the well-known dwarf.
- ***CLB. ETOILE DE HOLLANDE**.—Dark reddish crimson; differs from other red climbers as the flower stems are longer, making it a good cutter.
- ***CLB. GENERAL MACARTHUR** (H.T.).—A vigorous climber of the dwarf.
- CLB. GEO. SCHWARTZ** (T.).—Very free, and flowers well in Winter; Pillar.
- CLB. GOLDEN DAWN**.—Sport from the well-known dwarf variety.
- CLB. GOLDEN EMBLEM** (Per.).—A sport of the dwarf, deep pure yellow; Pillar.
- ***CLB. GOLDEN OPHELIA**.—A sport of "Golden Ophelia."
- CLB. HADLEY** (H.T.).—A sport of this well-known clb. rose. Pillar.
- CLB. HOOSIER BEAUTY**.—A sport from the well-known dwarf.
- CLB. IRISH FIREFLAME** (T.).—A sport of the dwarf
- ***CLB. JONKHEER J. L. MOCK** (H.T.).—A sport from the dwarf. Pillar.
- ***CLB. K. A. VICTORIA** (H.T.).—Free blooming, irregular climber. Pillar.
- ***CLB. LAURENT CARLE** (H.T.).—A strong sport of the dwarf.
- ***CLB. LADY HILLINGDON** (T.).—Deep orange yellow, free and good.
- CLB. LORD CHARLEMONT**.—A climbing sport from the well-known dwarf.
- ***CLB. LORRAINE LEE** (T.).—Vigorous climbing sport from the dwarf variety, producing terracotta pink flowers.
- CLB. LOS ANGELES** (Per.).—A strong sport from the dwarf. Pillar.
- ***CLB. MDM. A. CHATENAY** (H.T.).—A strong, vigorous climber of the dwarf.
- ***CLB. MDM. BUTTERFLY** (H.T.).—A vigorous sport from the dwarf.
- CLB. MDM. EDOUARD HERRIOTT** (Per.).—A good Pillar.
- ***CLB. MDM. SECOND WEBER** (H.T.).—A climbing sport of the dwarf.
- CLB. MEV. G. A. VAN ROSSEM**.—Orange apricot and yellow. Clb. sport from dwarf of the same name.
- CLB. MRS. C. J. BELL**.—A climbing sport from the well-known dwarf.
- ***CLB. MRS. DUNLOP BEST**.—A very vigorous climbing sport from the well-known dwarf.
- ***CLB. MRS. G. SHAWYER** (H.T.).—A strong climber of the dwarf.
- ***CLB. MRS. H. STEVENS** (H.T.).—Very vigorous sport from "Mrs. H. Stevens."
- CLB. OPHELIA**.—Genuine climbing habit and producing even better flowers than the parent.
- CLB. PENELOPE** (T.) (Rosen).—A strong climbing sport which originated on our nursery, and so far has shown good growth.
- ***CLB. PINK M. COCHET** (T.).—A strong climbing sport of the dwarf.
- ***CLB. PRES. HERBERT HOOVER** (H.T.).—Gold, orange and red. Clb. sport from the dwarf of the same name.
- ***CLB. RADIANCE** (H.T.).—A sport of this rose.
- ***CLB. RED RADIANCE** (H.T.).—A vigorous sport of the dwarf.
- ***CLB. ROSE MARIE** (H.T.).—A sport of this dwarf.
- ***CLB. SHOT SILK** (H.T.).—Rich salmon orange, cerise veined yellow, over-shot Oriental shades; immune from mildew; the bloom is larger than the dwarf.
- CLB. SOUV. DE CLAUDIUS PERNET** (Per.).—A sport of the dwarf. Pillar.
- CLB. SOUV. DE GEORGES PERNET** (Per.).—A sport of this rose. Pillar.
- ***CLB. SOUV. DE MDM. BOULLET**.—A climbing sport from the well-known dwarf.
- CLB. SOUV. DE THERESE LEVET** (T.).—A climber from the dwarf.
- ***CLB. SUNBURST** (H.T.).—A strong sport of the dwarf.
- ***CLB. TALISMAN**.—A climbing sport of the popular dwarf variety.
- ***CLB. WHITE M. COCHET** (T.).—A strong sport; good.
- ***CLOTH OF GOLD** (N.).—Sulphur yellow, large, good form, centre deeper, mildews badly at times, vig.
- COUNTESS STRADBROKE** (H.T.).—Large, good shape, fragrant, dark velvety crimson, fairly full, vig.
- ***FLYING COLORS** (H.T.).—Deep cerise, extra large, single, early flowerer, vig.
- FORTUNE'S YELLOW** (N.).—Bronzy yellow, shaded rose, large, loose, semi-double. Pillar

GOLDEN RAMBLER (Easlea's).—Flowers large, in clusters; deep canary yellow with crimson splashes; true rambler; fragrant.

KITTY KINNINMONTH (H.T.).—Bright carmine rose, semi-double, very free, mildew-proof, vig.

LOVE (H.T.).—Brilliant scarlet red. Continuous bloomer, flowers borne 3 to 5 together, fragrant, decorative.

MARECHAL NEIL (N.).—Golden yellow, large, full, excellent form, fragrant, free, weak stems.

***MERMAID** (H.B.).—Sulphur yellow, large size, single, very free; good.

***MISS MARION MANIFOLD** (H.T.).—Scarlet crimson, full, good form, perfumed, get bare of leaves at base at times, good.

***SACHSENGRUSS** (H.P.).—Flesh shaded rose, extra large, full, good form.

SINICA ANEMONE (The Cherokee Rose).—Silvery pink, deepening to bright rose, large, single. Pillar.

***WALTER C. CLARK** (H.T.).—Deep crimson maroon, large, fairly full, fine form, very fragrant, rarely blues.

CLIMBING BANKSIA, MULTIFLORA, WICHURIANA ROSES and THEIR HYBRIDS

Price, 1/- each; 11/- per dozen; 25 plants £1; packing included.

Quite hardy, growing anywhere, and usually bear most of their flowers in one great burst during Spring or early Summer, at which time they are a fine sight; very vigorous; mostly small flowers, flowering in large clusters.

B., Banksia; M., Multiflora; W., Wichuriana; H., Hybrid.

***AMERICAN PILLAR** (W.).—Rich pink, white eye, large, single, mildew-proof, showy.

ALBA (B.).—Pure white, small, mildew-proof, flowers early.

***BLAZE**.—New, hardy, blazing color of Pauls Scarlet Climber, very vigorous; flowers on both old and new growth.

***CECILE BRUNNER** (M.).—Pink, a climbing form of the dwarf, fine bud.

CLB. ORLEANS ROSE (M.).—A climbing sport from the dwarf, free.

CRIMSON RAMBLER (M.).—Dazzling crimson, large, semi-double, mildews badly, full vig.

***DOROTHY PERKINS** (W.).—Shell-pink, small, sweetly scented, one of the best; mildews; vig.

***EMILY GRAY** (W.).—Golden yellow, large, fairly full, glossy foliage, mildew-proof, the best yellow available.

***EXCELSA** (W.).—Bright scarlet, large, full, mildew-proof.

FORTUNIANA (B.).—White, large, mildew-proof, glossy foliage.

GOLDEN CLIMBER (Clb. H.W.).—Hardy climber; very large, fragrant, golden yellow blooms. Spring flowering only.

HAMBURG (Clb. Poly.).—Fiery scarlet red flowers; strong climbing habit, ever-blooming.

HIAWATHA (W.).—Brilliant scarlet, mildew-proof, flowers early; almost evergreen.

LUTEA (B.).—Buff, small, fairly full, mildew-proof, flowers early.

***PAUL'S SCARLET** (H.W.).—Vivid scarlet, large, semi-double, crimson, free.

PRINCESS OF ORANGE (Clb. Poly.).—Climbing form of "Gloria Mundi." Recommended.

ROMEO.—Flower deep red, double and of perfect form. Excellent for button-holes and florists' work.

SANDERS WHITE (W.).—Pure white, the best white available, large.

SHOWER OF GOLD.—Vigorous grower, large trusses of double yellow blooms.

TAUSCENDSCHON (M.).—Rosy carmine, large flowers, semi-double, flowers in Autumn, vig.

VIOLETTA (M.).—Deep reddish violet blue, large clusters, fairly full.

STANDARD ROSES

Price, 3/6 each; 42/- per dozen.

Ambassador	Golden Ophelia	Mrs. H. Stevens
Angele Pernet	Hadley	Mrs. H. Winnett
Betty Uprichard	Hoosier Beauty	Nigrette
Blackboy	K. A. Victoria	Oliver Mee
Caledonia	Korovo	Picture
Catherine Kordes	Lady Hillingdon	Pres. H. Hoover
Columbia	Laurent Carle	Radiance
Comtesse Vandal	Lorraine Lee	Red Radiance
Crimson Glory	Mdm. A. Chatenay	Rev. Page Roberts
Daily Mail Scented	Mdm. Butterfly	Rose Marie
Dame Edith Helen	Mdm. Pierre S. du Pont	Shot Silk
Editor MacFarland	Mdm. Seg. Weber	Sir Henry Seagrave
E. G. Hill	Malar Ros	Souv. de H. A. Verschuren
Elizabeth of York	Margaret McGredy	Souv. de Mdm. Bouillet
Etoile de Holland	Merv. G. A. Van Rossem	Talisman
Gaiety	McGredy's Yellow	Una Wallace
General McArthur	Mrs. Dunlop Best	Warrawee
Golden Dawn	Mrs. H. Brocklebank	William Moore

ORNAMENTAL TREES and SHRUBS

PLANTING.—All plants grown in pots should be planted about the same depth as soil in pot, or if dry an inch or two deeper, and it is always advisable to water directly on the ball of earth, for although the surrounding soil may be moist, yet until the plant makes new roots it cannot draw any nourishment from the soil around it. Generally despatched in paper pots to save weight and packing, and only required to be knocked out of the pot at planting. Four inch pots usually weigh about 1lb. each packed. If balled they can be planted as received, only cutting the ties on neck of ball, particularly if roots have come through ball. It is always advisable to give them a good soaking before planting. When planting next to walls or fences, be careful to keep the plant far enough away to allow for its natural growth, and much better effect will be obtained in the future. The distance apart to plant depends largely on whether individual specimens are required or whether plants are wanted for mass effect, which means closer planting. The letter E means Evergreen; D Deciduous. The numbers following give the average height in feet at full growth. In rich soil some may grow more, and in poor soil less.

VARIEGATED PLANTS should be carefully watched, as there is a tendency at times to revert to the green foliage, and, when occurring, the piece should be cut out at once.

TRAINING.—Some ornamental trees and shrubs are naturally inclined to grow unshapely, but judicious pruning of the young growths will tend to overcome it and make nice compact specimens. Most shrubs are best pruned or shaped after the flowering has finished.

WE WILL PROCURE ANY ORNAMENTAL TREES NOT CATALOGUED.

ABUTILON (Chinese Lantern)		Podalyriaefolia , E. 20 (the Queens-
Can supply named kinds	1/9	land Silver); the best; beautiful sil-
ACACIA (Wattle)		very foliage; yellow, fragrant . . .
Baileyana, E. 20. The well-known		ACER (Maple)
Cootamundra Silver. Yellow	1/-	Polymorphum , D. 20. Japanese Maple.
Dealbata, E. 20 (the Tasmanian Sil-		Beautiful hardy tree, for hedges or
ver), lemon yellow	1/3	specimens; recommended where
Decurrens, E. 20 (Black Wattle),		Autumn foliage is desired. Seed-
golden yellow	1/-	lings
Elata, E. 20. Fine for street plant-		ALOYSIA (Lemon Scented Verbena)
ing	1/-	Citriodora , D. 8, white

AMYGDALUS (Flowering Peach)	
Persica, D. 12, double pink	2/-
Persica, D. 12, double striped	2/-
Persica, D. 12, double white	2/-
Persica, D. 12, double red	2/-

ARAUCARIA

Bidwilli, E. 150 (Bunya Bunya Pine)	2/-
Excelsa, E. 150 (Norfolk Is. Pine)	2/-

ARBUTUS (Strawberry Tree)

Unedo, E. 15, white, red fruits	2/-
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ASTERS (Perennial)

Can supply named kinds—each	1/-
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AZALEAS

Can supply named kinds—each	2/-
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BAUHINIA (Mountain Ebony)

Purpurea, E. 12, purple	2/-
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BERBERIS

Named kinds	2/-
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BORONIA

Megastigma, E. 4, brown and yellow, highly fragrant	2/-
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BRAHEA (Station or Cotton Palm)

Robusta, E. 15, one of the hardiest and quickest growing plants for outdoor planting in warm cli- mates—from	2/-
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BUDDLEIA

Magnifica, E. 10, purple	1/9
Veitchiana, E. 10, lilac	1/9

CALLISTEMON (Bottle Brush)

Acuminata, E. 8, scarlet	1/9
Lanceolatus, E. 10, scarlet	1/9
Coccinea, E. 10, scarlet	1/9

CALODENDRON (Cape Chestnut)

Capense, E. 40, flesh pink	2/-
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CAMELLIA

Can supply named kinds—each	2/-
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CAMPHORA (Camphor Laurel)

Offivinalis, E. 50; one of the best evergreen for tall hedges—each	2/-
	18/- per doz.

CASSIA

Candolleana, E. 10; one of the best yellow flowered shrubs	1/9
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CEDRUS

Deodora, E. 50; Indian Cedar	2/-
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CERASUS

Lauro-cerasus, E. 20 (English Laurel)	1/6
Lusitanica, E. 20 (Portugal Laurel)	2/-

CERASUS JAPONICA (Flowering Cherry)

Japonica, Mt. Fuji, D. 10; double white	2/6
Japonica, Veitchi, D. 10; double pink	2/6
Japonica, Sieboldi Rosea, D. 10; double rosy pink	2/6

CERATONIA (Carob Tree)

Siliqua, E. 20	2/-
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CERATOPETALUM (Christmas Bush)

Gummiferum, E. 30, rich crimson, from	2/-
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CHAMAELAUCUM (Geraldton Wax)

Uncinatum, E. 10; pale pink, good	2/-
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CHAMEROPS (Fan Palm)

Excelsa, E. 20—from	2/-
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CHOISYA

Ternata, E. 4; one of the best white shrubs for any climate; fragrant	2/-
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CHORIZEMA

Ilicifolia, E. 3; orange and red	1/6
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CLETHRA (Lily of Valley Tree)

Arborea, E. 12; white	2/-
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CLIANTHUS (N.Z. Glory Pea)

Puniceus, E. 6; pink	2/-
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COCOS (Wine Palm)

Yatay, E. 10; very hardy	2/-
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COPROSMA

Lucida green, E. 6; for hedges	1/6
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CRATAEGUS (Hawthorn)

Carrierii, D. 19; large red berries	2/-
Crenulata, E. 10; red berries	1/9
Oxyacantha, D. 12; double crimson	2/-
Oxyacantha, D. 12; double white	2/-
Pyracantha Angustifolia, E. 10; yel- low berries	1/9

CROTOLARIA (Bird Flower)

Laburnifolia, E. 10; greenish yellow	1/6
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CUPRESSUS (Cypress)

Lambertiana horizontalis, E. 30; grown from cuttings	3/-
Lambertiana horizontalis aurea, E. 30; the beautiful Golden Cypress	4/-
Lawsoniana, E. 20; Lawson's Cypress	2/-
Sempervirens, E. 40; the upright Cy- press	2/-
Torulosa, E. 50; grown from cuttings, each	3/-
from seeds—each	2/-

CYDONIA (Flowering Quince)

Nivalis, D. 6; white	1/9
Rosea, D. 6; pink	1/9
Rubra, D. 6; crimson	2/-

CYTISUS (Laburnum)

Laburnum, D. 12; yellow	2/-
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DAPHNE

Indica Rubra, E. 3; pink	5/-
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DEUTZIA (Wedding Bells)

Candidissima, fl. pl., D. 5; double white	1/6
Pride of Rochester, D. 5; double white	1/6
Rosea, fl. pl., D. 5; double pink	1/6

DIERVILIA (Wiegela)

Amabalis, D. 6; pink	1/9
Candidissima, D. 6; white	1/9
Eva Ratke, D. 6; dark red	1/9
Glorie de Bosquets, D. 6; deep rose	1/9

DOMBEYA

Dregiana, E. 12; pure white	2/-
Mastersi, E. 12; white	2/-

DURANTA

Plumieri, E. 8; blue, for hedges	1/6
Alba, E. 8; white	1/6

ELEAGNUS		Peachblow, E. 8; salmon pink, semi-double	2/-
Japonicus variegata, E. 6; dark green leaves margined yellow	2/-	Tango Queen, E. 6; single, tangerine	2/-
ERICAS (The Heath)		HYDRANGEA	
Can supply named kinds—each	2/-	Named kinds	1/9
ERYTHRINA (Coral Tree)		Except whites, colors vary; on heavy soils they are blue, and on sandy soils pink.	
Christi Galli, D. 8; deep scarlet	1/9	ILEX (Holly)	
Indica, D. 30; scarlet	1/9	Aquifolium, E. 15; English	2/-
ESCALLONIA		Aurea variegata, E. 15; gold	3/6
Macrantha, E. 6; pink, very hardy	1/9	Marginata variegata, E. 15; silver	3/6
Montevidiensis, E. 10; white	1/9	JACARANDA	
EUCALYPTUS (Gum Trees)		Mimoseaefolia, E. 30; bluish purple	1/9
Botyroides, E. 100 (Mahogany)	1/-	JASMINUM (Jasmine)	
Calophylla Rosea, E. 20; rosy pink	1/6	Fruticans, E. 8; yellow; fragrant	2/-
Citriodora, E. 75 (Lemon Scented)	1/-	Primulinum, E. 6; semi-double; yellow; fragrant	2/-
Corynocalyx, E. 100 (Sugar Gum)	1/-	Sambac, E. 8; large, white, for warm climates only; fragrant	2/-
(Special quotations for quantities)		JUNIPERUS	
Ficifolia, E. 15; Scarlet Gum	1/6	Africana, E. 10	2/-
Globulus, E. 150; Tsn. Blue Gum	1/-	Bermudiana, E. 30	2/-
EUGENIA (Lillipilli)		Hibernica, E. 20 (Irish Juniper)	2/-
Leuhmanni, E. 10; the best	2/-	LAGERSTROEMIA (Crepe Myrtle)	
Pendula, E. 15; purple berries	2/-	Eavesii, D. 8; mauve	2/-
Smithii, E. 20; Native Lillipilli	2/-	Flos Regina, D. 12; bright pink	2/-
Uniflora, E. 10, Brizilian Cherry	2/-	Indica alba, D. 10; white	2/-
EUONYMUS		Indica Rubra, D. 20; red	2/-
Japonica variegata, E. 8; leaves centre yellow	2/-	LANTANA	
Japonica latifolius, aurea, E. 8, green leaves, margined yellow	2/-	Chelsea Gem, E. 5; orange and red	1/-
EXOCHORDA (Pearl Bush)		Drap d'Or, E. 5; yellow	1/-
Grandiflora, D. 6; one of the best white flowering shrubs	2/-	Sellowiana, E. 2; mauve	1/-
FEIJOA (Pineapple Guava)		LASIANDRA	
Sellowiana, E. 10; red and white flowers, edible fruits	2/-	Edwardsii, E. 4; blue	2/-
FICUS (Figs)		Grandiflora, E. 5; purple; extra large	2/-
Australis, E. 60; Port Jackson	2/-	Macrantha, E. 8; violet	2/-
Macrophylla, E. 60; Moreton Bay	2/-	LAVANDULA (Lavender)	
Hilli, E. 30; a beautiful variety	2/-	Spica, E. 2; common; blue	1/-
FUCHSIA		LIGUSTRUM (Privet)	
Can supply named kinds—each	1/-	Elegantissimum, E. 10; a beautiful golden variegated form in pots	1/-
GARDENIA		Lucidum, E. 20; large leafed, for tall hedges; drought resistant—2/- doz., 10/- 100	
Globosa, E. 15; large, white, scented	2/-	Pubescens, E. 8; small leafed; largely used for hedges	2/- doz.; 10/- 100
Intermedia, E. 3; white; fragrant	2/-	MAGNOLIA	
Magnifica, E. 4; large, white, scented	2/-	Fuscata, E. 8 (Port Wine)	2/-
GENISTA		Grandiflora, E. 20; large; white	2/-
Andreana, E. 4; crimson and yellow	1/6	MALUS (Flowering Apples)	
GREVILLEA		Alba, fl. pl., D. 10; double, white	2/-
Banksia, E. 8; scarlet	2/-	Aldenhamensis	2/-
Robusta, E. 40 (Silky Oak), orange	1/6	Floribunda, D. 10; bright pink; fragrant, single	2/-
HELIOTROPIUM (Cherry Pie)		Rosea, fl. pl., D. 10; double, pink	2/-
President Garfield, E. 2; mauve	1/6	METROSIDEROS (N.Z. Pohutukawa)	
Priapo, E. 5; dark blue	1/6	Tomentosa, E. 20; blood-red, good	2/-
HIBISCUS		NANDINA (Jap. Sacred Bamboo)	
Camdenii, E. 8; single, crimson	2/-	Domestica, E. 5; graceful foliage	2/-
Conqueror, E. 6; single; buff yellow, coastal climates only	2/-		
Geo. Harwood, E. 8; pink, single	2/-		
Island Empress, E. 6; double pink	2/-		
Island Queen, E. 6; deep pink, single	2/-		
Lamberti, E. 5; double crimson	2/-		

NERIUM (Oleander)		
Dr. Golfin, E. 6; rosy red; single	1/9	
Luteum plenum, E. 6; semi-double; creamy yellow	1/9	
Madonna grandiflora, E. 6; large semi-double, white	1/9	
Mrs. F. Roeding, E. 8; semi-double, salmon	1/9	
Monsieur Belaguier, E. 6; single, pink	1/9	
Prof. Martin, E. 6; single, crimson	1/9	
Souv. de Cazalis Allut, E. 6; dark crimson, single	1/9	
Splendens, E. 10; large, double pink	1/9	
OCHNA		
Multiflora, E. 6; yellow flowers, scarlet and black berries; showy	2/-	
PHILADELPHUS (Mock Orange)		
Grandiflorus, D. 8; white, scented	1/9	
Virginal, D. 6; semi-double; white	1/9	
PHOENIX (Date Palm)		
Canariensis, E. 15	2/-	
Reclinata, E. 15	2/6	
PINUS		
Insignis, E. 60 (Remarkable Pine); most popular of all pines; specially planted for tall shelter belts. Special quotations for quantities	1/6	
PITTOSPORUM		
Eugenoides variegata, E. 15	2/-	
Undulatum, E. 30; sweetly scented	2/-	
PLATANUS (Plane Tree)		
Orientalis, D. 50; good tree for avenue or specimen planting	2/-	
POINSETTIA		
Pulcherrima, D. 10; insignificant greenish yellow flowers, surrounded by bracts of brilliant scarlet	1/9	
POPULUS (Poplar)		
Balsamifera, D. 50 (Balsam Poplar)	2/-	
Dilatata, D. 50 (Upright Poplar)	2/-	
PROSTHANTHERA (Tas. Lilac)		
Ovalifolia, E. 10; purple, showy	2/-	
PRUNUS (Flowering Plums)		
Nigra, D. 12; blackish foliage	2/-	
Pissardi, D. 15; coppery crimson foliage; for warm climates	2/-	
Sinensis, D. 6; double, pink	2/-	
Sinensis, D. 6; double, white	2/-	
Vesuvius, D. 15; an improvement on Pissardi; recommended	2/-	
PUNICA (Pomegranate)		
Andre Leroy, fl. pl., D. 10; double, red	1/9	
PYRUS (Mountain Ash, or Rowan)		
Aucuparia, D. 30; small red berries	2/-	
QUERCUS (Oak)		
Palustris, D. 50 (Pin Oak); foliage turns deep crimson in autumn	2/6	
Robur, D. 50 (English Oak)	2/6	
RAPHIOLEPIS (Indian Hawthorn)		
Indica, E. 8; white, pink centre, followed by blue berries	2/-	
RETINOSPORA		
Plumosa, E. 12; beautifully plumed	2/-	
Plumosa aurea, E. 10; golden form of above	2/-	
RHUS		
Succedanea, D. 10; leaves bright crimson in autumn; non-suckering	2/-	
ROSMARINUS (Rosemary)		
Officinalis, E. 6	1/-	
RUSSELLIA		
Juncea, E. 4; scarlet tubular flowers	1/9	
SALIX (Willow)		
Babylonica, D. 50 (Weeping Willow)	1/6	
Caprea, D. 30 (Pussy Willow)	1/6	
SAMBUCCUS (Elder Berry)		
Aurea, D. 15; golden leaves	1/6	
Nigra, D.; black stems	1/6	
SCHINUS (Pepper Tree)		
Molle, E. 20. A fast-growing shade tree, for hot dry climates. Special quotes for quantities	1/9	
SPARTIUM (Broom)		
Junceum, E. 8 (Spanish); yellow	1/6	
SPIREA (May)		
Reevesiana, D. 5; single, white	1/6	
Reevesiana, fl. pl., D. 5; double, white	1/6	
Anthony Waterer, D. 4; single, red	1/6	
STENOCARPUS (Queensland Fire Tree)		
Cunninghami, E. 30; bright scarlet	2/-	
STERCULEA (Kurrajong)		
Diversifolia, E. 50. Recommended as a shade and fodder tree; slow-growing, but valuable in drought	2/-	
Acerifolia, E. 50 (Flame Tree); vivid scarlet	2/-	
SYRINGA (Lilac)		
Can supply named kinds—each	2/-	
TAMARIX (Flowering Cypress)		
Gallica, D. 12; pink	1/9	
Japonica plumosa, D. 12; pink	1/9	
TECOMA		
Capensis, E. 12; red	1/9	
Smithii, E. 10; orange yellow	2/-	
Velutina, E. 10; yellow	2/-	
TELOPEA (Waratah)		
Speciosissima, E. 10; crimson	2/-	
TRISTANIA (Brush Box)		
Conferta, E. 40 (Lophostemon Australis); for street planting or shade; quick-growing, deep rooting and drought resistant	1/6	
ULMUS (Elm)		
Campestris, D. 80 (English Elm)	2/-	
Chinensis, E. 30 (Chinese Weeping)	2/-	
VERONICA		
Andersoni, E. 3; blue	1/9	
Gracilis, E. 3; white	1/9	
Imperialis, E. 3; amaranth red	1/9	
Variabilis, E. 3; purple pink	1/9	
VIBURNUM		
Opulus, D. 8 (Guelder Rose, or Snowball Tree)	2/-	

Plicatum, D. 6 (Jap. Guelder Rose) 2/-	VIOLET
Suspensum, E. 6 (white, scented) 2/-	Ascanius; single violet, purple, doz., 2/6
Tinus, E. 6 (Lauristinus), white 1/9	King of Doubles; double blue doz., 5/-
Tinus Lucidum, E. 8; white 2/-	Princess of Wales, dark violet doz., 2/6

CLIMBING PLANTS

AMPELOPSIS

Veitchi, D. (Virginia Creeper). First-class deciduous climber. The leaves turn red in autumn 2/-

BIGNONIA

Australis, E. (Wonga Vine); cream and brown; vigorous climber 2/-

Cherere, E.; orange red; tender 2/-

Guilfoylei, D.; orange brown 2/-

Jasminoides, E.; rose and purple 2/-

Jasminoides alba, E.; white 2/-

Lindleyana, E.; lilac 2/-

Tweediana, E. (Chicken's Claw); very vigorous; clear yellow 2/-

Venusta, E.; orange; Winter flowerer 2/-

BOUGAINVILLEA (Paper Flower)

Magnifica Trailli, E.; bright purple; the best of all; very free 2/-

Mrs. Butt. Colour carmine crimson, very profuse in bloom and the flowering season extends over a long period 3/-

Lateritia 2/6

Rosea 2/6

FICUS (Climbing Fig)

Stipulata, E. 1/6

GELSEMIUM (Carolina Jasmine)

Sempervirens, E.; yellow, fragrant 2/-

HEDERA (Ivy)

Helix, E. (English 2/-

Madieriensis variegata, E. 2/-

JASMINUM (Jasmine)

Grandiflorum, E.; white 2/-

Poicoicum, E.; white, tender 2/6

LONICERA (Honeysuckle)

Caprifolium, E.; English, fragrant 2/-

Halleana, E.; best white 2/-

Sinensis, E.; white and red 2/-

Tartarica Splendens, E.; scarlet 2/-

MANDEVILLA

Sauveolens, E.; white, scented 2/-

SOLANUM

Jasminoides, E.; white 2/-

Seafortianum, E.; blue 2/-

Wendlandi, E.; lavender blue 2/-

TACSONIA (Passion Flower)

Manicata, E.; scarlet 2/-

Mollissima, E.; pink, yellow fruits 1/-

THUNBERGIA

Gibsoni, E.; orange, very free 2/-

WISTARIA

Multijuga alba, D.; white 2/-

Multijuga rosea, D.; very pale pink 2/-

Sinensis, D.; lavender 2/-

Sinensis alba, D.; white 2/-

Sinensis, fl. pl., D.; double blue 2/-

HEDGE PLANTS

BOUGAINVILLEA TRAILLI. Plant 4ft. apart. 18/- doz.

CAMPHOR LAUREL.—For tall hedges or breakwinds. For hedges plant 4ft. apart, for breakwinds 6ft. 18/- doz.

COPROSMA LUCIDA.—Dark, glossy green foliage; hardy. Good for seaside. Plant 3ft. apart. 12/- doz.

CRATAEGUS CRENULATA.—An evergreen hedge, hardy, covered in Autumn with berries; plant 2ft. apart. 16/- doz.

CUPRESSUS TORULOSA.—Used largely for breakwinds in cold climates. Plant 3ft. apart. Cutting, 33/- doz. Recommended in place of Macrocarpa, on account of the latter's tendency to die out in patches without any apparent reason.

DURANTA.—A neat hedge, purplish blue; plant 2ft. apart. 12/- doz.

HIBISCUS (Single Scarlet).—A showy

hedge for warm climates. Plant 3ft. apart. 18/- doz.

LANTANA.—For hedges. Plant 2ft. apart. 10/- doz.

LAUREL (English).—Good hedge for cold climates. Plant 3ft. apart. 12/- doz.

LIGUSTRUM PUBESCENS (Privet).—Small leaves; good, hardy hedge. Plant 12in. apart. 2/- doz.; 10/- per 100.

LIGUSTRUM LUCIDUM (Privet).—Large leaves; an excellent hardy hedge; disease and drough resistant. Plant 24in. apart. 2/- doz.; 10/- per 100.

LIGUSTRUM AUREUM (Golden Privet)—Golden variegated foliage. Plant 2ft. apart. In pots 8/- per doz. Field grown 5/- per doz., 30/- per 100.

OLIVE (Common).—A good, hardy hedge. Plant 2ft. apart. 12/- doz.

TECOMA CAPENSIS.—Plant 2ft. apart. Orange red. 15/- doz.

BREAKWINDS and SHELTER TREES

We have grouped under this heading some of the ornamental and fruit trees suitable for breakwinds, as well as shelter for animals. For breakwinds, plant 8 to 20 feet apart, depending on thickness of break required, for the closer planted they are, the quicker and thicker the breakwind. For shelter, plant in groups of 3 to 20, so as to give good compact shade where required.

ALMONDS.—Deciduous. Good payable crops in right climates. 15/- doz.

CAMPHOR LAUREL.—Evergreen; good for warm climates. 18/- doz.

CAROB TREES.—Good shelter and good food for animals. 18/- doz.

CUPRESSUS TORULOSA.—Good in cold climates; evergreen.

EUCALYPTUS.—Botyroides 10/- doz., Corynocalyx 10/- doz., Globulus 10/- doz. Fast-growing evergreens.

LAUREL (English).—For cold climates; mostly used as a hedge. 12/- doz.

LIGUSTRUM LUCIDUM.—Quick-growing evergreen. 2/- doz., 10/- 100.

LOQUATS.—Evergreen; for warm climates, and usually very profitable; also makes a good break. 21/- doz.

MACADAMIA.—Evergreen; where suitable should make a good break, but somewhat slow-growing here. 16/- doz.

OLIVES.—Evergreen; makes a good break, slow growing. 15/- doz.

PEARS (China and Keiffer).—Deciduous; 15/- doz.

PEPPERS.—Evergreen break for dry climates, not thick. 16/- doz.

PECANS.—Deciduous, fast-growing; suitable for good soils. 21/- doz.

PITTOSPORUM.—Evergreen; but, as it is a host for Indian wax scale and borers, we cannot recommend.

PINUS.—If either cold or warm climates, fast growing and does not unduly rob the soil. 15/- doz.

TRISTANIA (Lophostemon, or Brush Box).—Evergreen, fast growing, and shallow rooting; for warm climates. 12/- doz.

WALNUTS.—Good where conditions are suitable. 24/- doz.

PLANTING HINTS

In every human activity opinions differ, so the following observations are meant for beginners, who often ask for a few hints as to proceedings, for it is of vital importance to give proper care and attention before and after planting if the best results are to be obtained.

UNPACKING.—Upon advice of despatch of trees, do not allow them to lie at the station or wharf, maybe exposed to sun, wind, rain or frost, but take delivery at the earliest opportunity, unpack, great care being taken to cut the outside ropes of the package so that the different sorts may not become mixed, then moisten the roots, and plant at once, if possible. If plants do not seem to be in good shape or are unsatisfactory, notify us at once, as it is to our interest as well as yours to have your stock reach you in good condition. Avoid unnecessary exposure, for the natural place for the roots is in the ground. If trees are dry and withered on arrival, bury roots and tops in moist earth for several days. If unable to plant, heel the trees in.

HEELING IN.—Dig a trench or furrow about a foot wide and six or eight inches deep, and length according to number of trees. If you have a large number to heel in, make the trench two or three feet wide. Dip all the roots in water and then stand the trees closely in trench, and shake fine loose soil well in amongst them, so as to cover the roots well; pack down firmly and water if soil is dry. Then fill in all the loose soil. Deciduous trees can be kept that way a long time without any detriment, but citrus or evergreens should not be heeled in longer than is absolutely necessary, and of these leaves should be cut so as to relieve the strain on the trees.

ASPECT.—Any average soil will grow fruit trees, provided it is well worked, but in selecting a site for an orchard an easterly to north-easterly aspect is best. However, in small gardens, where these conditions are not always available, good treatment will give satisfactory results. The matter of shelter for orchards, especially citrus, is important, as also drainage and convenience. The higher land will be easily drained should it be necessary to do so. On low-lying lands the cold air settles and frosts are more frequent, more severe, and later than higher up. Light sandy soils where potash constituents dominate generally produce finer skinned, heavier, better textured fruits than heavy black or clay soils, which usually have a high percentage of nitrogen tending to larger size, thicker skin and poorer color.

DRAINAGE.—It does not necessarily follow that elevated land is well drained, as drainage is through the subsoil, and the red and white clays, irrespective of eleva-

tion and contour of land, are too retentive for best drainage, unless it has a goodly mixture of gravel or small stones.

PREPARING.—If the land you intend planting is new, or has been lying undisturbed for years, plough it fairly shallow the first time, preferably when it is dry, rather than too wet; leave it for as long as you can to sweeten, then harrow it down, and cross-plough it double depth, i.e., subsoil, or plough two furrows deep. The plough in the bottom furrow should have the mouldboard removed, so as to only loosen the soil, and not bring it to the top. The deeper it is stirred the better. Land with loose or sandy subsoil will do without subsoiling (although we think it is profitable in all cases). New land is mostly acid, or sour, and trees (particularly citrus) don't take to it until it is sweetened. Roughly breaking it up and planting before it is ready (so as not to lose a season) is mostly a good way of losing a season, particularly if the weather sets in dry and windy.

VARIETIES TO PLANT.—If, as a commercial investment, a large area is being planted, we cannot too strongly emphasise the necessity of confining the plantation to a few well-tested varieties that are known to do well in your locality, and have proved a profitable investment. Frequently we hear orchardists regretting the error they made when first planting, in having too many varieties, and consequently they never have sufficient of any one sort to enable them to market in a satisfactory manner. Plant new and untried kinds for testing only, but in small home gardens the aim should be to plant so as to have a continuous supply of fruit throughout the season.

POLLINATION.—Many varieties do not crop as well if planted in a block by themselves as when other sorts, flowering at the same time (or slightly earlier), are planted amongst them. Both varieties should produce large quantities of pollen and should come into bearing at about the same age, and should be good commercial varieties. In new plantings it is advisable to plant four rows and then two of the pollinating variety should prove most convenient for all operations. In established orchards pollinators can be worked on limbs on the windward side of the trees, or every third tree in every third row can be topworked. Bees are usually considered the best pollenising agent, and one colony to an acre is considered a fair distribution. Failures in setting can also be due to frosts, heavy rains, or insect pests injuring blooms.

TIME TO PLANT.—Deciduous fruit trees, such as Peaches, Plums, Apples, etc., should be planted during May, June, July and August; and, in dry districts, it is advantageous to plant as early in the Winter as possible, always provided the soil is reasonably moist; for, although trees are dormant, the roots remain active. Evergreen trees, such as Oranges, Lemons, etc., can be planted at almost any season of the year; but late February, March and April are the best months for Autumn planting, and August, September and October for Spring planting. Only plant in Winter months in localities fairly free from frost. It is sometimes better to plant citrus, if land is ready, when weather is favourable than to wait for any certain set period, when adverse conditions may prevail.

POSITIONS FOR FRUIT TREES.—If the orchard is on the average fairly well drained slope, the highest parts should be allotted for Apricots, following on in succession in the order named down the slope with Peaches and Nectarines, Plums, Apples, Pears, Quinces, Persimmons, and Nuts. Where the citrus family are intended to be planted, they should never be planted where there is a possibility of stagnant water around the roots.

DISTANCE APART FOR TREES.—It is important for commercial planting to plant far enough apart for convenience in spraying, cultivation and other operations, so that when fully grown they will not shade and crowd one another. The usual distance is 20 feet, but in rich soils it may be necessary to space 22 to 25 feet, or even more, and in small gardens where water is always available, trees can be planted 12 to 16 feet apart, provided they are well treated and cared for.

STAKING.—Stake out in advance so that you can work the soil for about 3 feet around the stake, and have it in good order at planting time, especially for evergreens. If possible plant on southern side of stake to protect from sunburn, and when tying plant to stake, never enclose tree and stake in the same loop.

HOLES.—If you have many to plant, have the holes opened shortly before the trees arrive. Use a flat hoe or spade, and make holes 8 to 10 inches deep and about 2 feet in diameter. Holes should be as deep, or deeper, at sides than the centre. Be careful not to dig deep holes for trees where the subsoil is stiff and will not allow the water to soak down. It is best to work the whole land at an even depth, as pot-holes under the trees cause the soil in the immediate neighbourhood to get sour; and

only Quinces, Persimmons and Pears can grow in sour soil. Digging deep holes in hard, shallow ground and then planting in them will not give the best results unless the remaining land is worked to equal depth shortly afterwards.

ROOT PRUNING.—Tap roots are the long, coarse downward-tending roots, generally without fibres or small side roots. In shallow soil, or where subsoil is stiff and retentive, cut back the tap-root, or bend to one side. In deep soil, or where the subsoil is porous, let it remain in its natural position. Some trees have hardly any tap-roots at all. Cut the jagged ends of all the larger and lengthy roots, and any that are bruised and damaged in transit, smooth and clean with a sharp knife, so that when the tree is placed in position the roots will assume a natural position.

DEPTH OF PLANTING.—A safe rule is to plant about same depth as tree stood in the nursery; that can be seen by the lighter color of the bark where the soil covered it. Citrus and stone fruits are most liable to gum, and should not be planted deep on shallow clayey soils. Walnuts, Persimmons and Pears should be planted two or three inches deeper than they stood in the nursery, and the tap-root of the three last-named planted full depth straight down. If you have any difficulty in judging where the ground line is after hole is open, put a chalk mark on the stake before opening the hole.

FILLERS.—Where Pears, Apples, Walnuts and other sorts that take a few years before bearing commercially paying crops are planted, many plant an extra tree in between each permanent tree, but such fillers should only be quick-growing and early-cropping kinds, such as Japanese Plums, Peaches and Passionfruit. Rightly handled, they will often pay the working expenses of the orchard until the permanent trees come to payable age, but the fillers should not be allowed to remain so long that they injure the permanent trees by encroaching on them. The reasoning is that the extra cost is only the purchasing price of the filler trees, as the cost of working is no more than if only permanent trees are planted. The fillers should be planted in rows with the permanent trees, so as to allow a clear land between the rows one way for cultivation purposes. Of course, where the intervening space is used for berry bushes or vegetables, fillers would not be advantageous. But hay, grain crops and pumpkins seem very destructive to young trees, except perhaps in very rich deep soil.

PLANTING.—Don't take out too many trees at one time. Roll a wet bag around the roots. In windy or hot weather see that all roots are kept moist while you are operating; carry a kerosene tin or bucket of water with you, and dip the roots of each tree in the water just before you plant it. As the roots of each tree vary in depth, you may in some holes have to fill in soil before putting in the tree, or it would be too deep; or you may have to scoop out a little soil for the deeper roots. Fill in some of the finest soil, and try to distribute the roots as evenly as their position will allow, and press the soil well in amongst the roots near the main stem, and put your fingers under the topmost roots and pull them up out of the soil, and outwards, so that only the lower roots are covered in the first lot of soil you put in. Then fill in more soil, and proceed in the same way until all the roots are covered and lay well embedded, and at different depths; always see that the soil is set firm around the main stem of the tree. Then with your foot press the soil down firmly. Unless the soil is very wet and heavy, you can hardly plant too firm (too loose planting has killed thousands of trees). Finally fill in the rest of the soil and leave surface loose. Tie the trees firmly to the stake, but cross each tie between the stake and the tree, or insert some grass or soft material to prevent the trees from chafing. If possible avoid planting when extremely wet or during high drying winds. In districts where frosts are severe enough to loosen the soil around newly planted trees, we would suggest treading the soil firmly every time this occurs, otherwise the plant may die through being dried out by the loose soil.

PLANTING BALLED AND POTTED TREES.—Dig holes large and deep enough to admit the ball of earth. Soak the ball thoroughly before planting, and then place in the hole about one or two inches below the general surface level. Do not disturb the ball of soil and roots unnecessarily. Then fill in with well pulverised soil around the ball, press firmly, then water, and when soaked away, fill in balance of soil. Watering right on the ball is essential so that the moisture will penetrate through the ball of earth until the plant is established. If in paper pots merely lift out.

TREES TENDER TO FROST should be planted when weather is warm and moist, either in early Autumn or Spring, and protected during the first three Winters. Many kinds may be successfully grown in districts otherwise unsuitable, as mature trees will stand more frost than young trees.

RECORDING.—Remove all labels from trees so that they will not cut the limbs. Use architect's cartridge paper or blue print for a permanent record or map of the names and varieties planted for future reference.

WATERING.—Deciduous trees, if planted in time, seldom need watering. Should the Spring be so dry that it is wanted, dig a narrow hole close to the tree, and pour the water in the hole. Let it soak away, fill, and then mulch well, but do not press soil down which has been recently watered, as this tends to make the soil hard. Evergreen trees, in dry weather, need watering at planting. If the soil is very dry, put the water in either before you plant or just when the roots are covered. If you have to water them later on, treat as described above for Summer fruit. Nut trees seem to do better when regularly watered the first two years.

CULTIVATION after planting is necessary to ensure successful results. Many failures are caused by planting in soil where it is too wet, or not stirring it up and airing it after a very heavy watering or rains. Do not neglect your trees by growing crops of cereals, grasses, vegetables, etc., right up to the young trees, for in dry weather such trees have absolutely no chance at all to do well, as the crop takes all the moisture. Newly planted trees should have a space of at least 4 feet all round quite free of other growth, and be cultivated 2 or 4 inches deep about three to five times the first Summer, by hoeing or shallow forking, but if properly mulched they will not require so much attention. Soil worked too wet packs together and excludes the air, and that destroys the bacteria life; consequently the plant does not thrive in it. Plants in such soil look quite well until the Summer heat begins, when they generally turn yellow and gradually die. Stirring the soil often, and getting it into good condition around the roots, will often avert failure. White ants destroy more young trees than is generally suspected.

As the Spring comes along, generally with drying winds, it is necessary to keep the soil loose and friable around each plant, and plants planted during wet seasons or in heavy soil should be particularly attended to, as it is likely that such soil has become doughy or cakey and does not allow any air to circulate through it, and without a given quantity of air around the roots the bacteria life is inactive, and sickly or dead plants result.

MULCHING is spreading either bush scrapings, leaves, stable manure, straw, grass, reeds, hay, bark or sawdust around each tree for about three or four feet from the base of the tree, and from one to three inches deep. It is particularly beneficial in dry windy weather, as it prevents the moisture in the covered ground from escaping so quickly and maintains a more equitable temperature about the roots. It is preferable that mulching takes place before hot dry weather sets in. Should mulching material not be available, the next best—if weather is unfavourable—is to hill up loose soil about each tree four to six inches deep, and keep such hills well worked and loose. Wherever the surface soil is allowed to remain hard and crusty the moisture dries out very quickly. Citrus and other Evergreen trees seem to get away better with this extra attention.

BREAKWINDS.—If your land has not a natural breakwind, it is a decided advantage to plant one on the side of the prevailing wind (this is generally west). The quickest growing and most effective is *Pinus Insignis*, which, although a shallow rooter, does not seem to affect fruit trees. Other trees used for the same purpose are Loquats (for warm districts), Sugar Gums, Blue Gums, *Tristania*, Pecans, Cupressus, *Torulosa*, and Walnuts. (See special list.)

MANURING.—On rich soils manuring at planting is not advisable, but on poorish soils a couple of handfuls of fertiliser is always beneficial, for it gives the tree a quick start. Spread it in the hole, and mix it in the soil before planting. On no account use manure in direct contact on the bare roots or too thickly near the barrel of the tree. Or you can leave the manuring until the tree has become established and started growing, when you can spread it around the surface of the ground and hoe it in. Bearing trees are best manured in late Winter or early Spring. For Citrus it is often advisable to give a light manuring in early Autumn as well. Green manuring is advantageous in supplying humus to the soil.

For old bearing trees a top-dressing with new soil is specially beneficial, especially on shallow soils. Nitrogen is a stimulant generally credited with promoting the growth and also deepens the foliage color; deficiency is indicated by stunted growth and yellowish, sickly foliage. Phosphoric acid supposedly stimulates maturity in growth, hastens the ripening of fruits, encourages root development, and aids in the use of other ingredients. Potash is credited with developing the woody part of the stems, the

fleshy part of fruits and assists in the formation of starch.

LIME is generally not regarded as a manure, but has both a chemical and mechanical action in the soil, and renders the other plant foods more effective and corrects acidity, but is more or less inactive in soils deficient in phosphates. Supposedly matures the growth earlier; makes the fruit buds more robust, tending to heavier crops.

PRUNING FIRST YEAR.—To secure the best results, it is necessary to cut all deciduous trees back the same season as they are planted. If the tree is a single rod, cut it off about 15 to 18 inches (about knee high or thereabouts) above the ground (more height can be given if you wish, but low set trees are best). If tree has a head—as most of them have—remove all but three to five of the best situated branches, and cut the selected ones back to within 6 to 8 inches from where they join the stem. See that you cut them over an outward pointing bud; but if the limbs sit so that one side wants filling, see that the bud you cut over points in the direction of the gap you want filled. The best plan is to plant your tree unpruned, and leave the head on until the Spring, just as the sap is rising. The roots seem to be more active if head is left till Spring than if cut at planting time.

SUMMER TRAINING OR PRUNING.—The first Summer the trees generally do not grow enough for Summer pruning. But should the growth be sufficiently strong, then treat as described below. In the second and third years the growth is generally strong enough to benefit by Summer pruning, hence as soon as the leading shoots have reached the point where you wish them to branch, usually about 12 to 20 inches long, depending on variety, pinch the soft tops off with your fingers, for this forces the growth to branch again without checking the flow of sap. Don't leave them grow long and wood hard before you touch them, as that often retards their growth, particularly if weather is dry. The aim of Summer pruning is to make strong limbs branch into good shape, so as not to sacrifice too much growth when Winter pruning. Do not do any Summer pruning so late that there is not a good chance of good growth afterwards.

PRUNING is essential for good fruit, and to grow a tree that will carry good crops later, hard cutting may be necessary in the early life of tree. When that objective has been obtained, then modify the hard cutting so that the energy of the tree makes fruiting growth instead, and when the tree has begun bearing only prune sufficiently to renew the fruiting growth as required by the tree. It must be noted that Apples, Pears, Cherries, Apricots and English Plums bear most fruits on the spur growth, consequently are slower in bearing than Peach, Nectarine and Japanese Plum, which mainly bear on the last season's growth, so it is necessary to prune accordingly. For irregular bearing trees we would suggest the long Leader system or some form of it to improve the bearing. For full guidance in pruning apply to the local Fruit Inspectors or to the Department of Agriculture, Sydney.

FROST PROTECTION.—The handiest protection is by placing boughs of trees, cane, or cornstalks, etc., firmly into the ground in a circle around the tree, or tall stakes placed in such positions that a covering of bagging or cloth can be thrown over on each occasion frost threatens. In very frosty localities it is always advisable to hill up the soil a few inches around the plant, for, in the event of the top being frozen and killed, sufficient is left to enable the plant to re-establish itself.

PROTECTING TREES.—If trees are planted where animals are likely to damage them or nearby roadways where they are likely to be damaged by vehicles, it is advisable to erect tree-guards around them if the best results are to be expected, for damaged trees are often spoilt in shape, becoming hidebound and stunted, and often delayed in coming into bearing.

SPRAYING.—It is not necessary to spray newly-planted deciduous trees, but it is an additional safeguard against infection. The best spray for this purpose would be Lime Sulphur or a coating of whitewash containing a little crude carbolic helps to prevent sunscald and attacks from borers. Very few plants exist that do not in some manner furnish food for something else, hence most trees, plants, etc., are subject to attacks from insects, scale, and fungi. For control and full guidance see Bulletin issued by Department of Agriculture, or Local Fruit Inspectors.

THINNING FRUIT.—To get the best color and size in fruit it is necessary to thin out the fruit on such heavy croppers as Trivett's Apples, many of the Japanese Plums and some Peaches, as some years they set more fruit than they can bring to maturity in first-class fruit, and if allowed to carry more than is reasonable, the tree gets a setback, and takes one or two years to recover its normal strength to carry another good crop. Judicious thinning tends to more even annual crops, less labor in

picking and grading, and prevents breakage of the limbs. A light dressing of quick-acting fertiliser, such as Sulphate of Ammonia, with a little Muriate of Potash, just after the fruit has set, helps to bring a very heavy crop on, but it does not bring as good grade fruit as thinning, and if weather remains dry the fertiliser is more or less inactive.

STORING AND PICKING.—Late Pears and Apples are best if allowed to remain on as late as possible, as the fuller the maturity the better the keeping; observation will show that, when fruits part readily from the spurs, they are ready to pick, and doubt can be determined by cutting a few fruits, and, if pips are brownish color, they are fit. Shrivelling sometimes occurs, and may be due to picking too soon, or storing in too dry an atmosphere. Where suitable sheds are unavailable small quantities may be stored in boxes in such materials as dry, clean chaff, sand, bracken, and special wrapping paper. Early kinds are best used direct from the tree, as their season is soon over. For full guidance, apply to Department of Agriculture, Sydney.

TOP WORKING.—This is often done to save time and so change unsuitable kinds into more profitable ones. Some prefer to cut hard back and then graft the required variety on the top of the stumps; but we think surer and better results can be secured by cutting back to stumps in the Winter or early Spring, and then leaving 2 to 5 of the strongest shoots on each stump to be budded the following Summer or Autumn.

FRUIT SPLITTING sometimes occurs with various fruits, and is usually attributed to a sudden acceleration of sap, and generally follows rainy periods.

GRAFTING WAXES.—(a) For Root Grafting, 4lb. of resin, 2lb. of beeswax, 1lb. of mutton tallow, or linseed oil, 1 pint; dissolve over a slow fire, and apply warm with a small brush. If necessary to apply this with the hands, it is best to keep them well greased, so as to prevent the wax sticking to them. (b) For Open Air Grafting: 1lb. beeswax, 2lb. resin; melt resin first, then add the beeswax; when these have melted and mixed, allow them to cool until beginning to thicken, then add denatured grain alcohol $\frac{1}{2}$ pint, and stir until wax becomes a golden yellow color. (c) Liquid Wax: Resin 1lb. beeswax 1oz. turpentine 1 tablespoonful, alcohol 5oz.; resin should be melted, removed from the fire, tallow added and liquids stirred in gradually; this mixture remains fluid; then bottle and apply with brush, or use parafin wax, which can be bought at any store.

MANURE FORMULA.—Any vegetable matter is suitable—old grass, bracken, straw, maize stalks, inferior hay, etc. Much water is necessary to ensure that the stack is kept in a moist condition, and if such cannot be applied the stack should be built with a somewhat hollow centre to absorb the rainfall of which probably should approximate 25 to 30 inches per annum. Less rain or droughty periods prolong the decay process, which should be fairly complete in six months or less with warm weather and ample moisture. Layers about 1ft. deep of vegetable matter may be laid in a pit for preference, otherwise on bare land, and then sprinkled with a mixture of 67lb. Sulphate Ammonia, 23lb. Superphosphate, 60lb. Carbonate of Lime, or very finely ground limestone per ton of vegetable matter; then more vegetable matter, etc. If the straw, etc., is loose or open, the Sulphate Ammonia may be only occasionally applied as the stack is built. If not a large stack, then if applied at the top it will carry through in solution.

Approximately $3\frac{1}{2}$ tons of straw, etc., will make 10 tons of stable manure—moisture mainly making up the extra. If dairy urine is available a 10 per cent. dilution is believed to be equal to the Sulphate Ammonia, which may therefore be omitted. (The addition of lime is necessary to prevent a too acid condition being created in which the bacteria will not thrive.)

INSECT PESTS AND REMEDIES

APHIDS.— $2\frac{1}{2}$ per cent. Nicotine dust, Nicotine Sulphate (40 per cent.) home-made tobacco extract, soap solution.

APPLE LEAF-HOPPER.—Nicotine Sulphate (1 pint to 75 gallons). Spray all parts of fruit and foliage, particularly the undersides of the leaves, before hoppers become winged. This spray may be combined with either the calyx spray or one of the later applications of Arsenate of Lead for control of Codling Moth. A second application may be necessary about 4 weeks after the first.

BEETLES.—Lead arsenate dust 25%-50%, lead arsenate spray (3 oz. to 4 gal.), hydrated lime, hydrated lime and tobacco dust, calcium arsenate dust 10%-25%.

BLACK OR BROWN SCALE.—Fumigation, miscible oil sprays, when scales are immature.

BORERS IN FRUIT TREES—MOTH BORERS.—Remove mass of webbed material and then insert a piece of pliable wire into tunnel and twist around. Inject a few drops of kerosene into tunnel to cause caterpillar to crawl out. Plug tunnels afterwards with grafting wax.

BEETLE BORERS.—Extremely difficult to control, especially if infestation of long standing. Cut off infested limbs and burn. Where holes are seen the grubs may sometimes be killed by inserting a piece of pliable wire. Paint bark with bluestone paint as a deterrent to egg-laying adults early in Spring and Summer.

CODLING MOTH.—Control measures are compulsory under Plant Diseases Act. See "Insect Pest Leaflet No. 9," issued free by Department of Agriculture, New South Wales, for full particulars.

COTTONY CUSHION SCALE.—Miscible white oil, 1 in 40.

CUTWORMS.—Poison bran bait. Scatter bait along rows or broadcast through the crop late in the afternoon.

DICKY RICE WEEVIL.—Band the trunks of the trees with a sticky tree-banding material. Where the trunks are not shaded by foliage tie a strip of grease-proof paper round the trunk on which to apply the material. Prune lower branches to at least 6 inches from ground. Destroy weeds. Banding to be 2in. wide and from 1-16in.-1-18in. thick and completed by 1st of August.

ELEPHANT BEETLES.—See Borers in Fruit Trees.

FOLIAGE-EATING INSECTS.—Arsenate of lead dust, arsenate of lead spray, calcium arsenate dust, lime and tobacco dust

FRUIT FLY.—Control measures are compulsory under Plant Diseases Act—see "Insect Pest Leaflet No. 11," issued free by the N.S.W. Department of Agriculture, for full particulars.

1. The removal every 3 days and destruction of infested fruit by boiling, burning or placing in a special insect-proof pit.

2. Foliage poison spray: 1 gal. fruit syrup, 4lb. molasses, 4oz. arsenate of lead powder, 3 gals. water. This spray is applied to two or more patches of the foliage at the rate of 6 fluid ounces per tree. Avoid spraying the fruit.

3. Trapping in glass fly traps baited with about 6 fluid ounces of either the following lures:—

(a) Essence of Vanilla $\frac{1}{8}$ fluid oz., household ammonia $\frac{1}{2}$ fluid oz., water 26 fluid ozs., or

(b) Apple or pear syrup made by boiling 5lbs. of inferior fruit in 1 gal. of water until pulpy. Strain the syrup for use.

FRUIT TREE ROOT WEEVIL.—Band trees as for Dicky Rice Weevil. Banding to be 3in. wide and completed by middle of July. Collect and destroy weevils which congregate on trunk. Prune lower branches to at least 6in. from ground. Destroy weeds.

GRAPE VINE SCALE.—Miscible Oil in 1 in 40 when vines are dormant.

GRAPE VINE MITES.—Lime-Sulphur 1 in 10 in late Winter before buds begin to swell.

HARES OR RABBITS EATING BARK OF TREES.—Paint bark with Sulphonated Oil. (SULPHONATED OIL is composed of 1 part of SULPHUR and 9 parts of LINSEED OIL (by weight). The mixture, which may be prepared as follows, should preferably be prepared outdoors, care being taken that flames do not come in contact with the materials. Heat the Linseed Oil until smoking hot (470°F.). Set it outdoors and then slowly sift the Sulphur into the hot oil while stirring. The mixture will become hotter until all the Sulphur has dissolved. When cool, the mixture is ready for applying to the trees with a brush.)

MAORI.—A reddish-brown discolouration on the skin of citrus fruits caused by mites. Lime-Sulphur 1 in 50. Spray when fruit about 1 inch in diameter.

MITES.—Lime-Sulphur, atomic sulphur, sulphur dust, and sulphur dust mixed with an equal quantity of either hydrated lime or kaolin.

MUSSEL SCALE.—Fumigation with hydrocyanic acid gas, miscible oil spray 1 in 40.

OLIVE SCALE.—See Black or Brown Scale.

PEACH APHIDS (Black).—In Summer, Nicotine Sulphate (40%) 1 pint to 75 gals. water plus 3lb. soap. Winter control: During dormant period, miscible oil spray diluted 1 part in 25 parts of water. If lime-sulphur is to be applied for leaf curl on peach or nectarine the oil should be applied first and the lime-sulphur about 3 or 4 weeks later. Lime-sulphur (Winter strength) 1 in 7 to 1 in 10 and nicotine sulphate 1 pint to 75 gals. may be combined as an aphicide and fungicide.

PEACH APHIDS (Green).—In Summer, Nicotine Sulphate and soap solution. During Winter, in the colder districts where eggs are produced, spray with tar distillate 1 in 35 about middle to end of June when trees are dormant to kill overwintering eggs laid around base of buds. On no account should tar distillate sprays be applied when the buds are commencing to burst.

PEACH-TIP MOTH.—Cut off and burn infested tips in early Summer, bandaging, destruction of infested fruit, and general orchard sanitation.

RED SCALE.—Control measures are compulsory under the Plant Diseases Act—see "Insect Pest Leaflet No. 22," issued free by N.S.W. Department of Agriculture, for full particulars.

Red SPIDER.—Sulphur dust, atomic sulphur, lime sulphur.

ROSE SCALE.—Fumigation, miscible white oil spray 1 in 40.

RUTHERGLEN BUG.—Pyrethrum dust; Pyrethrum dust mixed with an equal quantity of 2½ per cent. nicotine dust. Lime dust. Smudge fires. On weeds only, strong oil emulsions.

SAN JOSE SCALE.—When trees are dormant. Miscible Red Oil 1 in 20 on Apples and Pears. Lime-sulphur (Winter strength) on Peaches.

SCALES (Citrus).—Resin emulsions, miscible oils, soda solutions, fumigation, lime-sulphur.

SLATERS.—Dust haunts with boracic acid. Avoid dusting foliage. Lightly boiled and sliced potatoes dusted with Paris green or Arsenate of lead as baits.

SLUG (Pear and Cherry).—Arsenate of lead powder 1lb. to 40 gal. water. On cherry trees it is inadvisable to spray except when the fruit is very small.

SNAILS AND SLUGS.—Poisoned bran baits, arsenate of lead spray or dust. Lime and tobacco dust, clean cultivation.

THRIPS.—Pyrethrum dust. Kerosene emulsion.

WHITE ANTS.—Full particulars on application.

WHITE LOUSE SCALE.—Lime-sulphur 1 gal. in 9 gal. water, avoid fruit. Miscible red or white oil, 1 gal. to 40. Severe infestation may need fumigation. Trunk and limbs should be sprayed during Autumn from the inside of the tree outwards, to wet limbs and twigs.

WHITE WAX SCALES.—Fresh washing soda or soda ash. Apply during March, preferably late March. 1½lbs. fresh Washing Soda dissolved in 4 gals. of water.

WOOLLY APHIS.—Aphelinus Mali. The woolly aphis parasite, eliminates spraying for this trouble. Apply to Department of Agriculture for colonies of this parasite.

L. P. Rosén & Son - Nurserymen - Carlingford, New South Wales, Australia.

[illegible]

Please add Exchange to Country Cheques

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RATES

SINGLE PACKAGE RATES, GOODS TRAIN, FOR NURSERY GOODS

This rate is much cheaper than stamped parcel rates, but is not so quick or reliable. Freights are the same if paid on arrival, except unattended platforms, which must be prepaid. Minimum weight, 14lbs.; maximum weight, 140lbs

Miles	Package not exceeding 60 lbs.	61 lbs. and not exceeding 90 lbs.	91 lbs. and not exceeding 112 lbs.	113 lbs. and not exceeding 140 lbs.
	s. d.	s. d.	s. d.	s. d.
Up to 50	1 4	1 4	1 4	1 4
51 to 100	1 4	1 4	1 9	2 1
101 to 200	1 9	2 5	3 1	3 5
201 to 300	2 1	3 1	3 10	4 6
301 to 400	2 5	3 5	4 6	5 2
401 to 500	2 10	3 10	4 10	5 11
501 to 600	3 1	4 2	5 2	6 3
Each additional 100 miles	0 4	0 4	0 4	0 4

PARCELS POST

This way of despatching is suitable for those living a long distance from the railway. We can always select small trees or cut hard back for such orders. Six Rose Plants weigh 2 to 3 lbs., 12 Rose Plants weigh 5 to 7 lbs., and 10 Fruit Trees would weigh about 7 to 10 lbs. packed, according to size

WEIGHT		SCALE 1	SCALE 2	SCALE 3	SCALE 4
Over	Up to	Within 30 miles of Office of Posting.	Within the State, but beyond 30 miles of Office of Posting.	To an adjoining State as explained in the Post Office Guide.	Elsewhere within the Commonwealth.
—	1 lb.	0 6	0 9	1 0	1 3
1 lb.	2 lb.	0 9	1 0	1 6	2 0
2 lb.	3 lb.	1 0	1 3	2 0	2 9
3 lb.	5 lb.	1 3	1 6	2 6	3 6
5 lb.	8 lb.	1 6	2 0	3 6	5 0
8 lb.	11 lb.	1 9	2 9	5 0	7 3

Scale 4 applies also to parcels addressed to Papua, the Territory of New Guinea, and the following islands in the Pacific, viz., Bismarck Archipelago (New Britain, New Ireland, New Hanover, Admiralty Islands, etc.), Bougainville and Buka.

PLANTING TABLE FOR ORCHARDS, Etc.

SQUARE SYSTEM.—Showing the number of Plants required to plant an acre of land from 1 foot to 100 feet, plant from plant.

TRIANGULAR SYSTEM.—Divide the number required to the acre, Square Method as below by the decimal .866, or roughly one-sixth more. The result will be the number to the acre by this method.

Distance apart Feet	No. per Acre Number	Distance apart Feet	No. per Acre Number	Distance apart Feet	No. per Acre Number
100	4	22	90	8	680
90	5	21	98	7	889
80	7	20	100	6½	1,031
70	9	19	120	6	1,201
60	12	18	134	5½	1,440
50	17	17	150	5	1,742
40	27	16	169	4½	2,151
35	36	15	193	4	2,722
30	48	14	222	3½	3,556
28	55	13	257	3	4,840
26	64	12	302	2½	6,970
25	69	11	360	2	10,890
24	75	10	435	1½	19,360
23	82	9	537	1	43,560

/
L. P. ROSEN & SON

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